#6

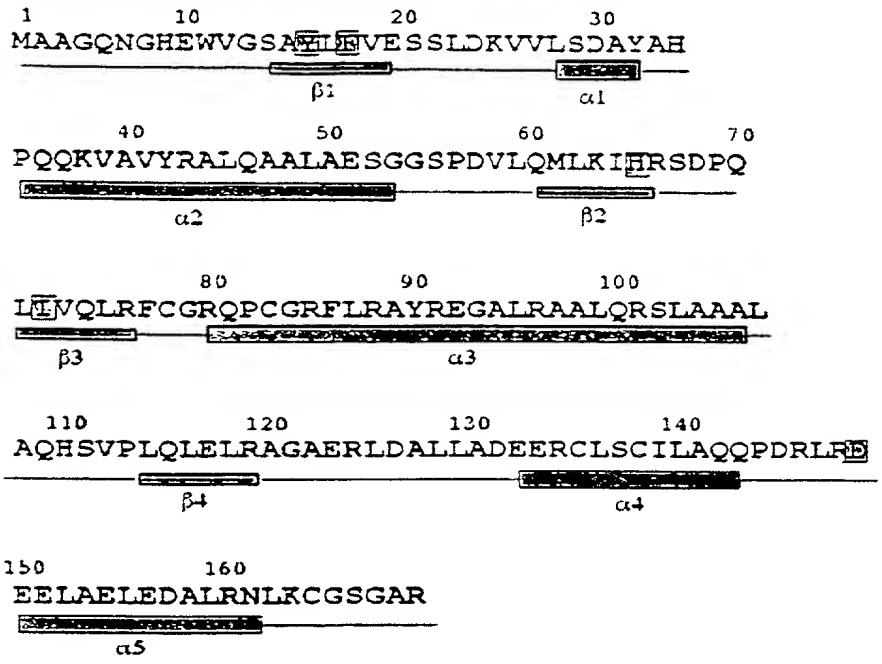

FIG. 1

		Atom Type	Residue		X	Y	Z			
ATOM	1	CA	MET	1	-24.866	15.635	-19.264	1.00	15.51	SEG1
ATOM	2	HA	MET	1	-25.390	14.693	-19.279	1.00	15.31	SEG1
ATOM	3	CB	MET	1	-25.849	16.777	-18.999	1.00	15.70	SEG1
ATOM	4	HB1	MET	1	-26.446	16.943	-19.883	1.00	15.58	SEG1
ATOM	5	HB2	MET	1	-25.298	17.678	-18.764	1.00	15.98	SEG1
ATOM	6	CG	MET	1	-26.765	16.422	-17.827	1.00	15.88	SEG1
ATOM	7	HG1	MET	1	-26.172	16.103	-16.986	1.00	16.14	SEG1
ATOM	8	HG2	MET	1	-27.432	15.624	-18.121	1.00	15.63	SEG1
ATOM	9	SD	MET	1	-27.737	17.876	-17.362	1.00	16.37	SEG1
ATOM	10	CE	MET	1	-28.779	17.948	-18.839	1.00	16.46	SEG1
ATOM	11	HE1	MET	1	-28.342	17.340	-19.619	1.00	16.46	SEG1
ATOM	12	HE2	MET	1	-28.851	18.969	-19.180	1.00	16.49	SEG1
ATOM	13	HE3	MET	1	-29.765	17.580	-18.600	1.00	16.65	SEG1
ATOM	14	C	MET	1	-24.152	15.871	-20.591	1.00	15.23	SEG1
ATOM	15	O	MET	1	-23.015	16.304	-20.628	1.00	15.46	SEG1
ATOM	16	N	MET	1	-23.891	15.675	-18.134	1.00	16.16	SEG1
ATOM	17	HT1	MET	1	-23.122	15.001	-18.319	1.00	16.50	SEG1
ATOM	18	HT2	MET	1	-24.371	15.419	-17.249	1.00	16.33	SEG1
ATOM	19	HT3	MET	1	-23.495	16.634	-18.051	1.00	16.24	SEG1
ATOM	20	N	ALA	2	-24.826	15.613	-21.680	1.00	14.89	SEG1
ATOM	21	HN	ALA	2	-25.749	15.283	-21.617	1.00	14.81	SEG1
ATOM	22	CA	ALA	2	-24.206	15.846	-23.013	1.00	14.80	SEG1
ATOM	23	HA	ALA	2	-23.256	15.339	-23.085	1.00	15.17	SEG1
ATOM	24	CB	ALA	2	-25.199	15.268	-24.026	1.00	15.06	SEG1
ATOM	25	HB1	ALA	2	-25.968	15.998	-24.234	1.00	15.17	SEG1
ATOM	26	HB2	ALA	2	-25.650	14.375	-23.618	1.00	15.16	SEG1
ATOM	27	HB3	ALA	2	-24.680	15.021	-24.941	1.00	15.20	SEG1
ATOM	28	C	ALA	2	-24.035	17.355	-23.207	1.00	14.21	SEG1
ATOM	29	O	ALA	2	-24.023	18.097	-22.248	1.00	13.70	SEG1
ATOM	30	N	ALA	3	-23.920	17.811	-24.431	1.00	14.43	SEG1
ATOM	31	HN	ALA	3	-23.947	17.183	-25.183	1.00	14.93	SEG1
ATOM	32	CA	ALA	3	-23.761	19.283	-24.704	1.00	14.09	SEG1
ATOM	33	HA	ALA	3	-23.704	19.448	-25.769	1.00	14.05	SEG1
ATOM	34	CB	ALA	3	-25.032	19.954	-24.154	1.00	14.73	SEG1
ATOM	35	HB1	ALA	3	-25.766	19.196	-23.921	1.00	15.01	SEG1
ATOM	36	HB2	ALA	3	-25.435	20.624	-24.899	1.00	14.84	SEG1
ATOM	37	HB3	ALA	3	-24.797	20.512	-23.260	1.00	14.95	SEG1
ATOM	38	C	ALA	3	-22.497	19.847	-24.031	1.00	13.47	SEG1
ATOM	39	O	ALA	3	-21.504	20.099	-24.689	1.00	13.42	SEG1
ATOM	40	N	GLY	4	-22.521	20.052	-22.737	1.00	13.16	SEG1
ATOM	41	HN	GLY	4	-23.326	19.842	-22.224	1.00	13.34	SEG1
ATOM	42	CA	GLY	4	-21.324	20.601	-22.038	1.00	12.72	SEG1
ATOM	43	HA1	GLY	4	-21.640	21.265	-21.248	1.00	13.03	SEG1
ATOM	44	HA2	GLY	4	-20.715	21.145	-22.745	1.00	12.88	SEG1
ATOM	45	C	GLY	4	-20.510	19.454	-21.438	1.00	11.83	SEG1
ATOM	46	O	GLY	4	-20.666	18.306	-21.810	1.00	11.80	SEG1
ATOM	47	N	GLN	5	-19.639	19.764	-20.517	1.00	11.27	SEG1
ATOM	48	HN	GLN	5	-19.534	20.700	-20.246	1.00	11.46	SEG1
ATOM	49	CA	GLN	5	-18.796	18.703	-19.882	1.00	10.54	SEG1
ATOM	50	HA	GLN	5	-18.209	18.192	-20.629	1.00	10.74	SEG1
ATOM	51	CB	GLN	5	-17.867	19.456	-18.918	1.00	10.66	SEG1
ATOM	52	HB1	GLN	5	-17.255	20.149	-19.477	1.00	10.48	SEG1
ATOM	53	HB2	GLN	5	-17.231	18.747	-18.408	1.00	10.80	SEG1
ATOM	54	CG	GLN	5	-18.696	20.230	-17.882	1.00	11.16	SEG1
ATOM	55	HG1	GLN	5	-18.846	19.612	-17.008	1.00	11.36	SEG1
ATOM	56	HG2	GLN	5	-19.655	20.493	-18.302	1.00	11.17	SEG1
ATOM	57	CD	GLN	5	-17.944	21.499	-17.481	1.00	11.68	SEG1
ATOM	58	OE1	GLN	5	-17.092	21.465	-16.617	1.00	11.76	SEG1
ATOM	59	NE2	GLN	5	-18.222	22.627	-19.079	1.00	12.23	SEG1
ATOM	60	HE21	GLN	5	-18.910	22.655	-18.776	1.00	12.30	SEG1
ATOM	61	HE22	GLN	5	-17.740	23.443	-17.833	1.00	12.69	SEG1
ATOM	62	C	GLN	5	-19.665	17.702	-19.111	1.00	9.75	SEG1
ATOM	63	O	GLN	5	-20.496	18.080	-18.306	1.00	9.62	SEG1
ATOM	64	N	ASN	6	-19.460	16.426	-19.339	1.00	9.41	SEG1

ATOM	65	HN	ASN	6	-18.775	16.151	-19.981	1.00	9.70	SEG1
ATOM	66	CA	ASN	6	-20.257	15.396	-18.600	1.00	8.79	SEG1
ATOM	67	HA	ASN	6	-21.287	15.710	-18.535	1.00	9.04	SEG1
ATOM	68	CB	ASN	6	-20.161	14.093	-19.418	1.00	9.02	SEG1
ATOM	69	HB1	ASN	6	-20.676	14.225	-20.357	1.00	8.79	SEG1
ATOM	70	HB2	ASN	6	-20.631	13.293	-18.867	1.00	9.43	SEG1
ATOM	71	CG	ASN	6	-18.700	13.720	-19.695	1.00	9.37	SEG1
ATOM	72	OD1	ASN	6	-17.847	13.872	-18.845	1.00	9.72	SEG1
ATOM	73	ND2	ASN	6	-18.379	13.226	-20.863	1.00	9.56	SEG1
ATOM	74	HD21	ASN	6	-19.069	13.099	-21.547	1.00	9.44	SEG1
ATOM	75	HD22	ASN	6	-17.450	12.985	-21.056	1.00	9.96	SEG1
ATOM	76	C	ASN	6	-19.675	15.229	-17.193	1.00	8.00	SEG1
ATOM	77	O	ASN	6	-18.499	15.450	-16.975	1.00	7.88	SEG1
ATOM	78	N	GLY	7	-20.492	14.873	-16.233	1.00	7.69	SEG1
ATOM	79	HN	GLY	7	-21.441	14.724	-16.431	1.00	8.01	SEG1
ATOM	80	CA	GLY	7	-19.993	14.729	-14.831	1.00	7.15	SEG1
ATOM	81	HA1	GLY	7	-20.823	14.807	-14.147	1.00	7.30	SEG1
ATOM	82	HA2	GLY	7	-19.286	15.520	-14.625	1.00	7.43	SEG1
ATOM	83	C	GLY	7	-19.305	13.377	-14.636	1.00	6.36	SEG1
ATOM	84	O	GLY	7	-19.058	12.651	-15.579	1.00	6.40	SEG1
ATOM	85	N	HIS	8	-18.990	13.040	-13.407	1.00	5.93	SEG1
ATOM	86	HN	HIS	8	-19.199	13.649	-12.668	1.00	6.17	SEG1
ATOM	87	CA	HIS	8	-18.311	11.740	-13.127	1.00	5.39	SEG1
ATOM	88	HA	HIS	8	-18.677	10.972	-13.791	1.00	5.57	SEG1
ATOM	89	CB	HIS	8	-16.830	12.005	-13.398	1.00	5.92	SEG1
ATOM	90	HB1	HIS	8	-16.355	12.352	-12.492	1.00	6.12	SEG1
ATOM	91	HB2	HIS	8	-16.733	12.757	-14.166	1.00	6.23	SEG1
ATOM	92	CG	HIS	8	-16.170	10.733	-13.851	1.00	6.32	SEG1
ATOM	93	ND1	HIS	8	-16.762	9.885	-14.773	1.00	6.76	SEG1
ATOM	94	HD1	HIS	8	-17.627	10.024	-15.215	1.00	6.84	SEG1
ATOM	95	CD2	HIS	8	-14.976	10.147	-13.515	1.00	6.77	SEG1
ATOM	96	HD2	HIS	8	-14.259	10.552	-12.816	1.00	6.87	SEG1
ATOM	97	CE1	HIS	8	-15.933	8.842	-14.956	1.00	7.39	SEG1
ATOM	98	HE1	HIS	8	-16.140	8.014	-15.617	1.00	8.01	SEG1
ATOM	99	NE2	HIS	8	-14.828	8.952	-14.213	1.00	7.43	SEG1
ATOM	100	C	HIS	8	-18.520	11.331	-11.664	1.00	4.62	SEG1
ATOM	101	O	HIS	8	-18.996	12.104	-10.854	1.00	4.56	SEG1
ATOM	102	N	GLU	9	-18.163	10.118	-11.327	1.00	4.40	SEG1
ATOM	103	HN	GLU	9	-17.783	9.518	-12.002	1.00	4.79	SEG1
ATOM	104	CA	GLU	9	-18.332	9.637	-9.922	1.00	3.95	SEG1
ATOM	105	HA	GLU	9	-19.165	10.132	-9.449	1.00	4.17	SEG1
ATOM	106	CB	GLU	9	-18.618	8.140	-10.058	1.00	4.47	SEG1
ATOM	107	HB1	GLU	9	-18.580	7.675	-9.084	1.00	4.63	SEG1
ATOM	108	HB2	GLU	9	-17.877	7.689	-10.703	1.00	4.60	SEG1
ATOM	109	CG	GLU	9	-20.011	7.939	-10.661	1.00	5.14	SEG1
ATOM	110	HG1	GLU	9	-20.102	6.931	-11.038	1.00	5.23	SEG1
ATOM	111	HG2	GLU	9	-20.157	8.642	-11.469	1.00	5.30	SEG1
ATOM	112	CD	GLU	9	-21.069	8.175	-9.582	1.00	5.96	SEG1
ATOM	113	OE1	GLU	9	-22.112	8.718	-9.908	1.00	6.30	SEG1
ATOM	114	OE2	GLU	9	-20.819	7.806	-8.446	1.00	6.51	SEG1
ATOM	115	C	GLU	9	-17.043	9.872	-9.127	1.00	3.32	SEG1
ATOM	116	O	GLU	9	-15.955	9.639	-9.621	1.00	3.53	SEG1
ATOM	117	N	GLU	10	-17.155	10.329	-7.902	1.00	2.92	SEG1
ATOM	118	HN	GLU	10	-18.042	10.508	-7.525	1.00	3.15	SEG1
ATOM	119	CA	GLU	10	-15.930	10.572	-7.084	1.00	2.63	SEG1
ATOM	120	HA	GLU	10	-15.122	10.912	-7.713	1.00	2.97	SEG1
ATOM	121	CB	GLU	10	-16.306	11.667	-6.084	1.00	3.13	SEG1
ATOM	122	HB1	GLU	10	-15.459	11.879	-5.449	1.00	3.26	SEG1
ATOM	123	HB2	GLU	10	-17.134	11.333	-5.477	1.00	3.47	SEG1
ATOM	124	CG	GLU	10	-16.703	12.940	-6.840	1.00	3.83	SEG1
ATOM	125	HG1	GLU	10	-17.631	12.768	-7.365	1.00	4.16	SEG1
ATOM	126	HG2	GLU	10	-15.930	13.189	-7.552	1.00	4.02	SEG1
ATOM	127	CD	GLU	10	-16.888	14.107	-5.858	1.00	4.51	SEG1
ATOM	128	OE1	GLU	10	-16.595	13.936	-4.682	1.00	5.01	SEG1
ATOM	129	OE2	GLU	10	-17.319	15.159	-6.302	1.00	4.85	SEG1
ATOM	130	C	GLU	10	-15.531	9.290	-6.355	1.00	2.02	SEG1
ATOM	131	O	GLU	10	-16.296	8.732	-5.591	1.00	2.17	SEG1
ATOM	132	N	TRP	11	-14.339	8.818	-6.599	1.00	1.56	SEG1
ATOM	133	HN	TRP	11	-13.749	9.288	-7.225	1.00	1.73	SEG1
ATOM	134	CA	TRP	11	-13.868	7.567	-5.940	1.00	1.15	SEG1
ATOM	135	HA	TRP	11	-14.611	7.214	-5.241	1.00	1.26	SEG1
ATOM	136	CB	TRP	11	-13.737	6.567	-7.116	1.00	1.36	SEG1
ATOM	137	HB1	TRP	11	-13.492	7.113	-8.017	1.00	1.88	SEG1
ATOM	138	HB2	TRP	11	-14.682	6.065	-7.257	1.00	1.58	SEG1
ATOM	139	CG	TRP	11	-12.677	5.536	-6.862	1.00	1.30	SEG1
ATOM	140	CD1	TRP	11	-11.365	5.717	-7.112	1.00	2.28	SEG1
ATOM	141	HD1	TRP	11	-10.924	6.614	-7.517	1.00	3.09	SEG1

FIG. 2 (3 of 35)

ATOM	142	CD2	TRP	11	-12.809	4.189	-6.326	1.00	0.69	SEG1
ATOM	143	NE1	TRP	11	-10.683	4.571	-6.764	1.00	2.24	SEG1
ATOM	144	HE1	TRP	11	-9.724	4.445	-6.846	1.00	2.95	SEG1
ATOM	145	CE2	TRP	11	-11.525	3.600	-6.274	1.00	1.19	SEG1
ATOM	146	CE3	TRP	11	-13.901	3.430	-5.884	1.00	1.24	SEG1
ATOM	147	HE3	TRP	11	-14.889	3.854	-5.910	1.00	1.82	SEG1
ATOM	148	CZ2	TRP	11	-11.331	2.304	-5.801	1.00	1.05	SEG1
ATOM	149	HZ2	TRP	11	-10.339	1.878	-5.771	1.00	1.59	SEG1
ATOM	150	CZ3	TRP	11	-13.712	2.125	-5.406	1.00	1.72	SEG1
ATOM	151	HZ3	TRP	11	-14.560	1.550	-5.068	1.00	2.64	SEG1
ATOM	152	CH2	TRP	11	-12.428	1.563	-5.365	1.00	1.25	SEG1
ATOM	153	HH2	TRP	11	-12.289	0.559	-4.995	1.00	1.70	SEG1
ATOM	154	C	TRP	11	-12.535	7.832	-5.212	1.00	1.07	SEG1
ATOM	155	O	TRP	11	-11.569	8.269	-5.807	1.00	1.43	SEG1
ATOM	156	N	VAL	12	-12.488	7.557	-3.933	1.00	0.90	SEG1
ATOM	157	HN	VAL	12	-13.283	7.199	-3.483	1.00	1.07	SEG1
ATOM	158	CA	VAL	12	-11.230	7.774	-3.153	1.00	0.81	SEG1
ATOM	159	HA	VAL	12	-10.374	7.754	-3.809	1.00	0.90	SEG1
ATOM	160	CB	VAL	12	-11.366	9.163	-2.513	1.00	1.11	SEG1
ATOM	161	HB	VAL	12	-10.500	9.347	-1.893	1.00	1.25	SEG1
ATOM	162	CG1	VAL	12	-11.445	10.238	-3.600	1.00	1.39	SEG1
ATOM	163	HG11	VAL	12	-11.487	11.213	-3.136	1.00	1.88	SEG1
ATOM	164	HG12	VAL	12	-12.332	10.087	-4.195	1.00	1.88	SEG1
ATOM	165	HG13	VAL	12	-10.571	10.178	-4.231	1.00	1.65	SEG1
ATOM	166	CG2	VAL	12	-12.632	9.223	-1.651	1.00	1.61	SEG1
ATOM	167	HG21	VAL	12	-12.669	10.169	-1.132	1.00	2.15	SEG1
ATOM	168	HG22	VAL	12	-12.616	8.419	-0.931	1.00	1.97	SEG1
ATOM	169	HG23	VAL	12	-13.504	9.125	-2.281	1.00	1.99	SEG1
ATOM	170	C	VAL	12	-11.095	6.703	-2.063	1.00	0.82	SEG1
ATOM	171	O	VAL	12	-10.758	7.001	-0.932	1.00	1.69	SEG1
ATOM	172	N	GLY	13	-11.375	5.466	-2.388	1.00	0.62	SEG1
ATOM	173	HN	GLY	13	-11.660	5.252	-3.302	1.00	1.15	SEG1
ATOM	174	CA	GLY	13	-11.287	4.378	-1.367	1.00	0.89	SEG1
ATOM	175	HA1	GLY	13	-11.623	3.451	-1.805	1.00	1.13	SEG1
ATOM	176	HA2	GLY	13	-11.922	4.626	-0.529	1.00	1.25	SEG1
ATOM	177	C	GLY	13	-9.848	4.206	-0.874	1.00	0.68	SEG1
ATOM	178	O	GLY	13	-8.900	4.566	-1.544	1.00	0.70	SEG1
ATOM	179	N	SER	14	-9.692	3.645	0.299	1.00	0.57	SEG1
ATOM	180	HN	SER	14	-10.481	3.363	0.809	1.00	0.64	SEG1
ATOM	181	CA	SER	14	-8.330	3.421	0.867	1.00	0.46	SEG1
ATOM	182	HA	SER	14	-7.570	3.656	0.139	1.00	0.47	SEG1
ATOM	183	CB	SER	14	-8.235	4.373	2.057	1.00	0.63	SEG1
ATOM	184	HB1	SER	14	-8.473	5.378	1.733	1.00	1.22	SEG1
ATOM	185	HB2	SER	14	-7.235	4.356	2.457	1.00	1.22	SEG1
ATOM	186	OG	SER	14	-9.150	3.958	3.063	1.00	1.27	SEG1
ATOM	187	HG	SER	14	-8.910	4.396	3.882	1.00	1.63	SEG1
ATOM	188	C	SER	14	-8.206	1.967	1.331	1.00	0.35	SEG1
ATOM	189	O	SER	14	-9.198	1.309	1.587	1.00	0.36	SEG1
ATOM	190	N	ALA	15	-7.004	1.456	1.433	1.00	0.31	SEG1
ATOM	191	HN	ALA	15	-6.220	2.001	1.215	1.00	0.37	SEG1
ATOM	192	CA	ALA	15	-6.830	0.036	1.869	1.00	0.26	SEG1
ATOM	193	HA	ALA	15	-7.719	-0.320	2.363	1.00	0.26	SEG1
ATOM	194	CB	ALA	15	-6.611	-0.741	0.573	1.00	0.33	SEG1
ATOM	195	HB1	ALA	15	-7.409	-0.518	-0.120	1.00	1.05	SEG1
ATOM	196	HB2	ALA	15	-6.603	-1.800	0.785	1.00	1.09	SEG1
ATOM	197	HB3	ALA	15	-5.664	-0.454	0.138	1.00	1.01	SEG1
ATOM	198	C	ALA	15	-5.612	-0.112	2.785	1.00	0.24	SEG1
ATOM	199	O	ALA	15	-4.700	0.693	2.759	1.00	0.25	SEG1
ATOM	200	N	TYR	16	-5.590	-1.151	3.584	1.00	0.24	SEG1
ATOM	201	HN	TYR	16	-6.336	-1.788	3.574	1.00	0.25	SEG1
ATOM	202	CA	TYR	16	-4.431	-1.381	4.498	1.00	0.24	SEG1
ATOM	203	HA	TYR	16	-3.769	-0.529	4.495	1.00	0.25	SEG1
ATOM	204	CB	TYR	16	-5.045	-1.561	5.886	1.00	0.28	SEG1
ATOM	205	HB1	TYR	16	-4.302	-1.960	6.560	1.00	0.30	SEG1
ATOM	206	HB2	TYR	16	-5.880	-2.244	5.825	1.00	0.29	SEG1
ATOM	207	CG	TYR	16	-5.524	-0.224	6.401	1.00	0.30	SEG1
ATOM	208	CD1	TYR	16	-6.885	0.100	6.365	1.00	1.20	SEG1
ATOM	209	HD1	TYR	16	-7.597	-0.607	5.967	1.00	2.11	SEG1
ATOM	210	CD2	TYR	16	-4.601	0.693	6.916	1.00	1.30	SEG1
ATOM	211	HD2	TYR	16	-3.550	0.442	6.943	1.00	2.22	SEG1
ATOM	212	CE1	TYR	16	-7.322	1.340	6.845	1.00	1.20	SEG1
ATOM	213	HE1	TYR	16	-8.372	1.591	6.818	1.00	2.12	SEG1
ATOM	214	CE2	TYR	16	-5.036	1.933	7.395	1.00	1.32	SEG1
ATOM	215	HE2	TYR	16	-4.323	2.639	7.792	1.00	2.24	SEG1
ATOM	216	CZ	TYR	16	-6.397	2.259	7.361	1.00	0.37	SEG1
ATOM	217	OH	TYR	16	-6.826	3.483	7.839	1.00	0.42	SEG1
ATOM	218	HH	TYR	16	-7.602	3.747	7.339	1.00	1.02	SEG1

ATOM	219	C	TYR	16	-3.678	-2.645	4.068	1.00	0.23	SEG1
ATOM	220	O	TYR	16	-4.273	-3.675	3.812	1.00	0.25	SEG1
ATOM	221	N	LEU	17	-2.377	-2.565	3.978	1.00	0.23	SEG1
ATOM	222	HN	LEU	17	-1.930	-1.721	4.183	1.00	0.23	SEG1
ATOM	223	CA	LEU	17	-1.570	-3.747	3.551	1.00	0.23	SEG1
ATOM	224	HA	LEU	17	-2.217	-4.569	3.299	1.00	0.24	SEG1
ATOM	225	CB	LEU	17	-0.815	-3.278	2.306	1.00	0.25	SEG1
ATOM	226	HB1	LEU	17	0.169	-3.723	2.294	1.00	0.26	SEG1
ATOM	227	HB2	LEU	17	-0.724	-2.202	2.326	1.00	0.25	SEG1
ATOM	228	CG	LEU	17	-1.577	-3.703	1.051	1.00	0.25	SEG1
ATOM	229	HG	LEU	17	-1.713	-4.777	1.063	1.00	0.26	SEG1
ATOM	230	CD1	LEU	17	-2.943	-3.009	1.014	1.00	0.25	SEG1
ATOM	231	HD11	LEU	17	-3.272	-2.919	-0.010	1.00	1.04	SEG1
ATOM	232	HD12	LEU	17	-2.859	-2.026	1.453	1.00	1.04	SEG1
ATOM	233	HD13	LEU	17	-3.659	-3.593	1.573	1.00	1.03	SEG1
ATOM	234	CD2	LEU	17	-0.775	-3.299	-0.188	1.00	0.28	SEG1
ATOM	235	HD21	LEU	17	-1.452	-3.080	-0.999	1.00	1.03	SEG1
ATOM	236	HD22	LEU	17	-0.120	-4.109	-0.473	1.00	1.07	SEG1
ATOM	237	HD23	LEU	17	-0.187	-2.421	0.037	1.00	1.01	SEG1
ATOM	238	C	LEU	17	-0.587	-4.159	4.646	1.00	0.24	SEG1
ATOM	239	O	LEU	17	-0.008	-3.327	5.318	1.00	0.24	SEG1
ATOM	240	N	PHE	18	-0.397	-5.443	4.826	1.00	0.26	SEG1
ATOM	241	HN	PHE	18	-0.877	-6.090	4.269	1.00	0.28	SEG1
ATOM	242	CA	PHE	18	0.549	-5.923	5.878	1.00	0.28	SEG1
ATOM	243	HA	PHE	18	0.825	-5.116	6.536	1.00	0.26	SEG1
ATOM	244	CB	PHE	18	-0.221	-6.998	6.657	1.00	0.30	SEG1
ATOM	245	HB1	PHE	18	0.392	-7.355	7.471	1.00	0.31	SEG1
ATOM	246	HB2	PHE	18	-0.447	-7.820	5.996	1.00	0.31	SEG1
ATOM	247	CG	PHE	18	-1.514	-6.433	7.214	1.00	0.29	SEG1
ATOM	248	CD1	PHE	18	-1.550	-5.139	7.750	1.00	1.21	SEG1
ATOM	249	HD1	PHE	18	-0.652	-4.540	7.764	1.00	2.13	SEG1
ATOM	250	CD2	PHE	18	-2.678	-7.210	7.191	1.00	1.27	SEG1
ATOM	251	HD2	PHE	18	-2.652	-8.208	6.779	1.00	2.18	SEG1
ATOM	252	CE1	PHE	18	-2.745	-4.624	8.261	1.00	1.20	SEG1
ATOM	253	HE1	PHE	18	-2.770	-3.626	8.674	1.00	2.11	SEG1
ATOM	254	CE2	PHE	18	-3.874	-6.695	7.703	1.00	1.29	SEG1
ATOM	255	HE2	PHE	18	-4.772	-7.296	7.685	1.00	2.22	SEG1
ATOM	256	CZ	PHE	18	-3.907	-5.402	8.238	1.00	0.32	SEG1
ATOM	257	HZ	PHE	18	-4.828	-5.004	8.631	1.00	0.35	SEG1
ATOM	258	C	PHE	18	1.787	-6.535	5.226	1.00	0.30	SEG1
ATOM	259	O	PHE	18	1.681	-7.379	4.360	1.00	0.33	SEG1
ATOM	260	N	VAL	19	2.956	-6.123	5.641	1.00	0.29	SEG1
ATOM	261	HN	VAL	19	3.013	-5.443	6.346	1.00	0.27	SEG1
ATOM	262	CA	VAL	19	4.206	-6.689	5.048	1.00	0.32	SEG1
ATOM	263	HA	VAL	19	3.970	-7.353	4.230	1.00	0.35	SEG1
ATOM	264	CB	VAL	19	4.993	-5.478	4.535	1.00	0.33	SEG1
ATOM	265	HB	VAL	19	5.223	-4.826	5.367	1.00	0.31	SEG1
ATOM	266	CG1	VAL	19	6.300	-5.953	3.891	1.00	0.37	SEG1
ATOM	267	HG11	VAL	19	6.080	-6.458	2.962	1.00	1.07	SEG1
ATOM	268	HG12	VAL	19	6.804	-6.635	4.560	1.00	1.07	SEG1
ATOM	269	HG13	VAL	19	6.936	-5.102	3.696	1.00	1.08	SEG1
ATOM	270	CG2	VAL	19	4.157	-4.712	3.500	1.00	0.36	SEG1
ATOM	271	HG21	VAL	19	4.520	-4.930	2.507	1.00	1.03	SEG1
ATOM	272	HG22	VAL	19	4.240	-3.652	3.687	1.00	1.07	SEG1
ATOM	273	HG23	VAL	19	3.121	-5.010	3.578	1.00	1.13	SEG1
ATOM	274	C	VAL	19	5.001	-7.426	6.128	1.00	0.32	SEG1
ATOM	275	O	VAL	19	5.376	-6.844	7.131	1.00	0.31	SEG1
ATOM	276	N	GLU	20	5.260	-8.698	5.937	1.00	0.36	SEG1
ATOM	277	HN	GLU	20	4.945	-9.149	5.122	1.00	0.38	SEG1
ATOM	278	CA	GLU	20	6.035	-9.459	6.969	1.00	0.38	SEG1
ATOM	279	HA	GLU	20	6.640	-8.784	7.553	1.00	0.38	SEG1
ATOM	280	CB	GLU	20	4.968	-10.101	7.858	1.00	0.41	SEG1
ATOM	281	HB1	GLU	20	4.576	-10.981	7.372	1.00	0.96	SEG1
ATOM	282	HB2	GLU	20	4.167	-9.393	8.025	1.00	0.89	SEG1
ATOM	283	CG	GLU	20	5.581	-10.495	9.206	1.00	1.26	SEG1
ATOM	284	HG1	GLU	20	5.966	-9.612	9.693	1.00	1.79	SEG1
ATOM	285	HG2	GLU	20	6.387	-11.193	9.045	1.00	1.83	SEG1
ATOM	286	CD	GLU	20	4.515	-11.141	10.106	1.00	1.26	SEG1
ATOM	287	OE1	GLU	20	4.890	-11.676	11.136	1.00	1.44	SEG1
ATOM	288	OE2	GLU	20	3.343	-11.084	9.758	1.00	1.82	SEG1
ATOM	289	C	GLU	20	6.920	-10.527	6.305	1.00	0.41	SEG1
ATOM	290	O	GLU	20	6.590	-11.059	5.264	1.00	0.48	SEG1
ATOM	291	N	SER	21	8.045	-10.834	6.906	1.00	0.42	SEG1
ATOM	292	HN	SER	21	8.286	-10.383	7.743	1.00	0.44	SEG1
ATOM	293	CA	SER	21	8.971	-11.860	6.324	1.00	0.48	SEG1
ATOM	294	HA	SER	21	8.796	-11.968	5.265	1.00	0.50	SEG1
ATOM	295	CB	SER	21	10.372	-11.292	6.554	1.00	0.52	SEG1

ATOM	296	HB1	SER	21	10.474	-10.360	6.014	1.00	0.55	SEG1
ATOM	297	HB2	SER	21	11.109	-11.992	6.197	1.00	0.54	SEG1
ATOM	298	OG	SER	21	10.572	-11.073	7.945	1.00	0.62	SEG1
ATOM	299	HG	SER	21	10.391	-11.893	8.405	1.00	1.01	SEG1
ATOM	300	C	SER	21	8.820	-13.220	7.030	1.00	0.56	SEG1
ATOM	301	O	SER	21	9.613	-14.118	6.826	1.00	1.22	SEG1
ATOM	302	N	SER	22	7.817	-13.378	7.863	1.00	0.86	SEG1
ATOM	303	HN	SER	22	7.193	-12.643	8.016	1.00	1.44	SEG1
ATOM	304	CA	SER	22	7.615	-14.675	8.592	1.00	0.95	SEG1
ATOM	305	HA	SER	22	6.749	-14.607	9.232	1.00	1.07	SEG1
ATOM	306	CB	SER	22	7.374	-15.735	7.512	1.00	1.04	SEG1
ATOM	307	HB1	SER	22	8.297	-16.265	7.318	1.00	1.13	SEG1
ATOM	308	HB2	SER	22	7.039	-15.260	6.605	1.00	1.30	SEG1
ATOM	309	OG	SER	22	6.376	-16.643	7.960	1.00	1.42	SEG1
ATOM	310	HG	SER	22	6.500	-17.474	7.495	1.00	1.68	SEG1
ATOM	311	C	SER	22	8.855	-15.024	9.424	1.00	0.91	SEG1
ATOM	312	O	SER	22	9.120	-16.180	9.698	1.00	0.94	SEG1
ATOM	313	N	LEU	23	9.604	-14.033	9.841	1.00	0.96	SEG1
ATOM	314	HN	LEU	23	9.362	-13.111	9.617	1.00	1.04	SEG1
ATOM	315	CA	LEU	23	10.819	-14.303	10.673	1.00	1.03	SEG1
ATOM	316	HA	LEU	23	10.973	-15.365	10.782	1.00	1.20	SEG1
ATOM	317	CB	LEU	23	11.986	-13.678	9.904	1.00	0.94	SEG1
ATOM	318	HB1	LEU	23	12.861	-13.658	10.537	1.00	1.14	SEG1
ATOM	319	HB2	LEU	23	11.729	-12.670	9.616	1.00	1.11	SEG1
ATOM	320	CG	LEU	23	12.286	-14.508	8.654	1.00	1.17	SEG1
ATOM	321	HG	LEU	23	11.371	-14.691	8.112	1.00	1.54	SEG1
ATOM	322	CD1	LEU	23	13.270	-13.748	7.762	1.00	1.51	SEG1
ATOM	323	HD11	LEU	23	12.805	-12.843	7.401	1.00	1.96	SEG1
ATOM	324	HD12	LEU	23	13.547	-14.368	6.921	1.00	2.02	SEG1
ATOM	325	HD13	LEU	23	14.153	-13.497	8.331	1.00	1.83	SEG1
ATOM	326	CD2	LEU	23	12.914	-15.839	9.073	1.00	1.52	SEG1
ATOM	327	HD21	LEU	23	13.458	-16.258	8.240	1.00	1.93	SEG1
ATOM	328	HD22	LEU	23	12.138	-16.524	9.378	1.00	2.01	SEG1
ATOM	329	HD23	LEU	23	13.592	-15.672	9.898	1.00	1.88	SEG1
ATOM	330	C	LEU	23	10.668	-13.638	12.043	1.00	1.14	SEG1
ATOM	331	O	LEU	23	10.726	-12.430	12.165	1.00	1.44	SEG1
ATOM	332	N	ASP	24	10.479	-14.422	13.073	1.00	1.17	SEG1
ATOM	333	HN	ASP	24	10.438	-15.393	12.943	1.00	1.26	SEG1
ATOM	334	CA	ASP	24	10.324	-13.844	14.444	1.00	1.33	SEG1
ATOM	335	HA	ASP	24	9.561	-13.082	14.444	1.00	1.51	SEG1
ATOM	336	CB	ASP	24	9.887	-15.016	15.327	1.00	1.68	SEG1
ATOM	337	HB1	ASP	24	9.925	-14.718	16.365	1.00	1.96	SEG1
ATOM	338	HB2	ASP	24	10.552	-15.851	15.169	1.00	1.96	SEG1
ATOM	339	CG	ASP	24	8.455	-15.430	14.972	1.00	1.87	SEG1
ATOM	340	OD1	ASP	24	8.137	-16.594	15.151	1.00	2.18	SEG1
ATOM	341	OD2	ASP	24	7.700	-14.577	14.532	1.00	2.42	SEG1
ATOM	342	C	ASP	24	11.654	-13.263	14.943	1.00	1.21	SEG1
ATOM	343	O	ASP	24	11.680	-12.453	15.850	1.00	1.73	SEG1
ATOM	344	N	LYS	25	12.757	-13.677	14.367	1.00	1.40	SEG1
ATOM	345	HN	LYS	25	12.714	-14.337	13.644	1.00	1.84	SEG1
ATOM	346	CA	LYS	25	14.086	-13.157	14.816	1.00	1.71	SEG1
ATOM	347	HA	LYS	25	14.109	-13.063	15.889	1.00	1.98	SEG1
ATOM	348	CB	LYS	25	15.096	-14.216	14.368	1.00	2.08	SEG1
ATOM	349	HB1	LYS	25	16.098	-13.842	14.519	1.00	2.36	SEG1
ATOM	350	HB2	LYS	25	14.947	-14.430	13.320	1.00	1.98	SEG1
ATOM	351	CG	LYS	25	14.905	-15.498	15.181	1.00	2.37	SEG1
ATOM	352	HG1	LYS	25	13.906	-15.877	15.028	1.00	2.26	SEG1
ATOM	353	HG2	LYS	25	15.054	-15.286	16.230	1.00	2.63	SEG1
ATOM	354	CD	LYS	25	15.922	-16.545	14.720	1.00	2.85	SEG1
ATOM	355	HD1	LYS	25	16.921	-16.166	14.874	1.00	3.30	SEG1
ATOM	356	HD2	LYS	25	15.774	-16.753	13.670	1.00	2.96	SEG1
ATOM	357	CE	LYS	25	15.738	-17.833	15.527	1.00	3.10	SEG1
ATOM	358	HE1	LYS	25	14.780	-18.279	15.310	1.00	3.12	SEG1
ATOM	359	HE2	LYS	25	15.831	-17.629	16.584	1.00	3.39	SEG1
ATOM	360	NZ	LYS	25	16.834	-18.732	15.069	1.00	3.59	SEG1
ATOM	361	HZ1	LYS	25	17.748	-18.362	15.398	1.00	3.96	SEG1
ATOM	362	HZ2	LYS	25	16.833	-18.778	14.029	1.00	3.70	SEG1
ATOM	363	HZ3	LYS	25	16.688	-19.684	15.458	1.00	3.91	SEG1
ATOM	364	C	LYS	25	14.414	-11.811	14.152	1.00	1.50	SEG1
ATOM	365	O	LYS	25	15.402	-11.183	14.489	1.00	1.60	SEG1
ATOM	366	N	VAL	26	13.614	-11.362	13.211	1.00	1.35	SEG1
ATOM	367	HN	VAL	26	12.826	-11.876	12.943	1.00	1.43	SEG1
ATOM	368	CA	VAL	26	13.912	-10.062	12.538	1.00	1.21	SEG1
ATOM	369	HA	VAL	26	14.886	-9.702	12.832	1.00	1.29	SEG1
ATOM	370	CB	VAL	26	13.903	-10.380	11.037	1.00	1.42	SEG1
ATOM	371	HB	VAL	26	12.932	-10.761	10.756	1.00	1.62	SEG1
ATOM	372	CG1	VAL	26	14.200	-9.108	10.237	1.00	1.89	SEG1

ATOM	373	HG11	VAL	26	13 971	-9.278	9.195	1.00	2.27	SEG1
ATOM	374	HG12	VAL	26	15.244	-8.854	10.340	1.00	2.38	SEG1
ATOM	375	HG13	VAL	26	13.594	-8.297	10.611	1.00	2.31	SEG1
ATOM	376	CG2	VAL	26	14.973	-11.431	10.728	1.00	2.08	SEG1
ATOM	377	HG21	VAL	26	15.828	-11.275	11.370	1.00	2.45	SEG1
ATOM	378	HG22	VAL	26	15.278	-11.342	9.696	1.00	2.51	SEG1
ATOM	379	HG23	VAL	26	14.569	-12.418	10.900	1.00	2.57	SEG1
ATOM	380	C	VAL	26	12.836	-9.026	12.877	1.00	1.02	SEG1
ATOM	381	O	VAL	26	11.670	-9.210	12.577	1.00	1.13	SEG1
ATOM	382	N	VAL	27	13.225	-7.935	13.484	1.00	0.99	SEG1
ATOM	383	HN	VAL	27	14.171	-7.811	13.703	1.00	1.14	SEG1
ATOM	384	CA	VAL	27	12.232	-6.873	13.827	1.00	1.00	SEG1
ATOM	385	HA	VAL	27	11.271	-7.317	14.042	1.00	1.11	SEG1
ATOM	386	CB	VAL	27	12.783	-6.182	15.085	1.00	1.28	SEG1
ATOM	387	HB	VAL	27	12.091	-5.413	15.399	1.00	1.71	SEG1
ATOM	388	CG1	VAL	27	12.928	-7.213	16.209	1.00	1.74	SEG1
ATOM	389	HG11	VAL	27	11.949	-7.521	16.544	1.00	2.16	SEG1
ATOM	390	HG12	VAL	27	13.470	-6.773	17.033	1.00	2.26	SEG1
ATOM	391	HG13	VAL	27	13.469	-8.072	15.841	1.00	2.14	SEG1
ATOM	392	CG2	VAL	27	14.154	-5.547	14.792	1.00	1.90	SEG1
ATOM	393	HG21	VAL	27	14.856	-5.818	15.568	1.00	2.40	SEG1
ATOM	394	HG22	VAL	27	14.051	-4.473	14.763	1.00	2.42	SEG1
ATOM	395	HG23	VAL	27	14.521	-5.896	13.838	1.00	2.26	SEG1
ATOM	396	C	VAL	27	12.112	-5.891	12.655	1.00	0.83	SEG1
ATOM	397	O	VAL	27	12.578	-4.769	12.717	1.00	0.80	SEG1
ATOM	398	N	LEU	28	11.497	-6.319	11.581	1.00	0.77	SEG1
ATOM	399	HN	LEU	28	11.142	-7.236	11.559	1.00	0.85	SEG1
ATOM	400	CA	LEU	28	11.353	-5.429	10.385	1.00	0.65	SEG1
ATOM	401	HA	LEU	28	12.323	-5.176	9.987	1.00	0.73	SEG1
ATOM	402	CB	LEU	28	10.571	-6.248	9.359	1.00	0.66	SEG1
ATOM	403	HB1	LEU	28	10.277	-5.610	8.539	1.00	0.81	SEG1
ATOM	404	HB2	LEU	28	9.689	-6.660	9.829	1.00	0.72	SEG1
ATOM	405	CG	LEU	28	11.445	-7.384	8.832	1.00	1.04	SEG1
ATOM	406	HG	LEU	28	11.877	-7.921	9.664	1.00	1.45	SEG1
ATOM	407	CD1	LEU	28	10.588	-8.336	8.001	1.00	1.13	SEG1
ATOM	408	HD11	LEU	28	9.882	-7.766	7.415	1.00	1.40	SEG1
ATOM	409	HD12	LEU	28	10.052	-9.005	8.658	1.00	1.73	SEG1
ATOM	410	HD13	LEU	28	11.222	-8.910	7.342	1.00	1.54	SEG1
ATOM	411	CD2	LEU	28	12.560	-6.805	7.959	1.00	1.38	SEG1
ATOM	412	HD21	LEU	28	12.188	-5.943	7.425	1.00	1.93	SEG1
ATOM	413	HD22	LEU	28	12.889	-7.553	7.253	1.00	1.66	SEG1
ATOM	414	HD23	LEU	28	13.391	-6.510	8.584	1.00	1.78	SEG1
ATOM	415	C	LEU	28	10.576	-4.160	10.737	1.00	0.52	SEG1
ATOM	416	O	LEU	28	10.902	-3.082	10.279	1.00	0.49	SEG1
ATOM	417	N	SER	29	9.547	-4.279	11.537	1.00	0.53	SEG1
ATOM	418	HN	SER	29	9.302	-5.163	11.885	1.00	0.61	SEG1
ATOM	419	CA	SER	29	8.735	-3.075	11.909	1.00	0.50	SEG1
ATOM	420	HA	SER	29	8.245	-2.669	11.037	1.00	0.45	SEG1
ATOM	421	CB	SER	29	7.690	-3.587	12.903	1.00	0.64	SEG1
ATOM	422	HB1	SER	29	7.195	-4.456	12.489	1.00	0.68	SEG1
ATOM	423	HB2	SER	29	6.961	-2.817	13.090	1.00	0.69	SEG1
ATOM	424	OG	SER	29	8.332	-3.930	14.125	1.00	0.74	SEG1
ATOM	425	HG	SER	29	7.660	-4.234	14.739	1.00	1.18	SEG1
ATOM	426	C	SER	29	9.622	-2.014	12.569	1.00	0.51	SEG1
ATOM	427	O	SER	29	9.388	-0.827	12.436	1.00	0.47	SEG1
ATOM	428	N	ASP	30	10.640	-2.436	13.274	1.00	0.61	SEG1
ATOM	429	HN	ASP	30	10.805	-3.399	13.361	1.00	0.66	SEG1
ATOM	430	CA	ASP	30	11.555	-1.459	13.946	1.00	0.70	SEG1
ATOM	431	HA	ASP	30	11.012	-0.874	14.672	1.00	0.74	SEG1
ATOM	432	CB	ASP	30	12.614	-2.315	14.651	1.00	0.86	SEG1
ATOM	433	HB1	ASP	30	13.205	-2.833	13.911	1.00	1.25	SEG1
ATOM	434	HB2	ASP	30	12.123	-3.037	15.288	1.00	0.89	SEG1
ATOM	435	CG	ASP	30	13.531	-1.426	15.500	1.00	1.76	SEG1
ATOM	436	OD1	ASP	30	13.699	-0.267	15.156	1.00	2.44	SEG1
ATOM	437	OD2	ASP	30	14.049	-1.922	16.488	1.00	2.38	SEG1
ATOM	438	C	ASP	30	12.203	-0.543	12.901	1.00	0.66	SEG1
ATOM	439	O	ASP	30	12.366	0.643	13.120	1.00	0.69	SEG1
ATOM	440	N	ALA	31	12.580	-1.089	11.774	1.00	0.65	SEG1
ATOM	441	HN	ALA	31	12.442	-2.049	11.629	1.00	0.64	SEG1
ATOM	442	CA	ALA	31	13.229	-0.259	10.710	1.00	0.69	SEG1
ATOM	443	HA	ALA	31	14.158	0.154	11.072	1.00	0.81	SEG1
ATOM	444	CB	ALA	31	13.506	-1.226	9.556	1.00	0.73	SEG1
ATOM	445	HB1	ALA	31	13.622	-2.227	9.945	1.00	1.33	SEG1
ATOM	446	HB2	ALA	31	14.413	-0.930	9.048	1.00	1.15	SEG1
ATOM	447	HB3	ALA	31	12.681	-1.203	8.860	1.00	1.27	SEG1
ATOM	448	C	ALA	31	12.290	0.862	10.254	1.00	0.59	SEG1
ATOM	449	O	ALA	31	12.716	1.974	10.014	1.00	0.66	SEG1

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ATOM	450	N	TYR	32	11.018	0.584	10.133	1.00	0.47	SEG1
ATOM	451	HN	TYR	32	10.692	-0.329	10.330	1.00	0.45	SEG1
ATOM	452	CA	TYR	32	10.059	1.645	9.690	1.00	0.41	SEG1
ATOM	453	HA	TYR	32	10.466	2.199	8.854	1.00	0.46	SEG1
ATOM	454	CB	TYR	32	8.803	0.884	9.250	1.00	0.38	SEG1
ATOM	455	HB1	TYR	32	8.056	1.586	8.915	1.00	0.40	SEG1
ATOM	456	HB2	TYR	32	8.416	0.316	10.084	1.00	0.39	SEG1
ATOM	457	CG	TYR	32	9.152	-0.058	8.119	1.00	0.40	SEG1
ATOM	458	CD1	TYR	32	9.232	0.419	6.805	1.00	1.24	SEG1
ATOM	459	HD1	TYR	32	9.041	1.462	6.597	1.00	2.11	SEG1
ATOM	460	CD2	TYR	32	9.399	-1.410	8.388	1.00	1.23	SEG1
ATOM	461	HD2	TYR	32	9.334	-1.778	9.400	1.00	2.09	SEG1
ATOM	462	CE1	TYR	32	9.560	-0.456	5.762	1.00	1.25	SEG1
ATOM	463	HE1	TYR	32	9.622	-0.089	4.749	1.00	2.11	SEG1
ATOM	464	CE2	TYR	32	9.727	-2.283	7.345	1.00	1.26	SEG1
ATOM	465	HE2	TYR	32	9.918	-3.326	7.553	1.00	2.13	SEG1
ATOM	466	CZ	TYR	32	9.808	-1.806	6.031	1.00	0.49	SEG1
ATOM	467	OH	TYR	32	10.132	-2.668	5.002	1.00	0.55	SEG1
ATOM	468	HH	TYR	32	9.706	-3.511	5.174	1.00	1.03	SEG1
ATOM	469	C	TYR	32	9.734	2.605	10.847	1.00	0.40	SEG1
ATOM	470	O	TYR	32	9.132	3.642	10.644	1.00	0.42	SEG1
ATOM	471	N	ALA	33	10.123	2.271	12.057	1.00	0.43	SEG1
ATOM	472	HN	ALA	33	10.604	1.430	12.202	1.00	0.47	SEG1
ATOM	473	CA	ALA	33	9.832	3.167	13.224	1.00	0.46	SEG1
ATOM	474	HA	ALA	33	8.769	3.274	13.357	1.00	0.50	SEG1
ATOM	475	CB	ALA	33	10.438	2.455	14.435	1.00	0.54	SEG1
ATOM	476	HB1	ALA	33	11.504	2.351	14.294	1.00	1.26	SEG1
ATOM	477	HB2	ALA	33	9.993	1.476	14.538	1.00	1.17	SEG1
ATOM	478	HB3	ALA	33	10.247	3.033	15.327	1.00	0.97	SEG1
ATOM	479	C	ALA	33	10.485	4.541	13.037	1.00	0.41	SEG1
ATOM	480	O	ALA	33	9.906	5.560	13.364	1.00	0.44	SEG1
ATOM	481	N	HIS	34	11.687	4.572	12.526	1.00	0.39	SEG1
ATOM	482	HN	HIS	34	12.130	3.733	12.280	1.00	0.41	SEG1
ATOM	483	CA	HIS	34	12.392	5.880	12.327	1.00	0.39	SEG1
ATOM	484	HA	HIS	34	12.419	6.436	13.251	1.00	0.44	SEG1
ATOM	485	CB	HIS	34	13.814	5.502	11.904	1.00	0.43	SEG1
ATOM	486	HB1	HIS	34	13.885	5.515	10.827	1.00	0.43	SEG1
ATOM	487	HB2	HIS	34	14.043	4.512	12.269	1.00	0.46	SEG1
ATOM	488	CG	HIS	34	14.795	6.485	12.483	1.00	0.52	SEG1
ATOM	489	ND1	HIS	34	15.735	7.139	11.702	1.00	0.57	SEG1
ATOM	490	HD1	HIS	34	15.854	7.041	10.735	1.00	0.64	SEG1
ATOM	491	CD2	HIS	34	14.998	6.930	13.766	1.00	0.70	SEG1
ATOM	492	HD2	HIS	34	14.430	6.617	14.630	1.00	0.86	SEG1
ATOM	493	CE1	HIS	34	16.454	7.935	12.515	1.00	0.66	SEG1
ATOM	494	HE1	HIS	34	17.263	8.568	12.183	1.00	0.73	SEG1
ATOM	495	NE2	HIS	34	16.045	7.846	13.784	1.00	0.75	SEG1
ATOM	496	C	HIS	34	11.697	6.701	11.227	1.00	0.37	SEG1
ATOM	497	O	HIS	34	11.149	6.139	10.300	1.00	0.35	SEG1
ATOM	498	N	PRO	35	11.734	8.013	11.362	1.00	0.42	SEG1
ATOM	499	CA	PRO	35	11.085	8.890	10.355	1.00	0.44	SEG1
ATOM	500	HA	PRO	35	10.074	8.566	10.165	1.00	0.44	SEG1
ATOM	501	CB	PRO	35	11.075	10.263	11.021	1.00	0.55	SEG1
ATOM	502	HB1	PRO	35	10.140	10.425	11.535	1.00	0.59	SEG1
ATOM	503	HB2	PRO	35	11.240	11.038	10.285	1.00	0.59	SEG1
ATOM	504	CG	PRO	35	12.199	10.228	12.005	1.00	0.58	SEG1
ATOM	505	HG1	PRO	35	11.959	10.841	12.861	1.00	0.65	SEG1
ATOM	506	HG2	PRO	35	13.107	10.583	11.538	1.00	0.61	SEG1
ATOM	507	CD	PRO	35	12.366	8.795	12.440	1.00	0.49	SEG1
ATOM	508	HD2	PRO	35	13.415	8.550	12.526	1.00	0.51	SEG1
ATOM	509	HD1	PRO	35	11.857	8.620	13.374	1.00	0.51	SEG1
ATOM	510	C	PRO	35	11.895	8.917	9.054	1.00	0.43	SEG1
ATOM	511	O	PRO	35	11.339	8.898	7.972	1.00	0.42	SEG1
ATOM	512	N	GLN	36	13.204	8.958	9.149	1.00	0.46	SEG1
ATOM	513	HN	GLN	36	13.628	8.971	10.032	1.00	0.48	SEG1
ATOM	514	CA	GLN	36	14.048	8.983	7.910	1.00	0.49	SEG1
ATOM	515	HA	GLN	36	13.841	9.867	7.329	1.00	0.52	SEG1
ATOM	516	CB	GLN	36	15.497	9.005	8.402	1.00	0.56	SEG1
ATOM	517	HB1	GLN	36	16.163	8.849	7.565	1.00	0.92	SEG1
ATOM	518	HB2	GLN	36	15.644	8.220	9.129	1.00	0.96	SEG1
ATOM	519	CG	GLN	36	15.801	10.360	9.044	1.00	1.47	SEG1
ATOM	520	HG1	GLN	36	15.086	10.555	9.828	1.00	2.04	SEG1
ATOM	521	HG2	GLN	36	15.737	11.136	8.294	1.00	2.03	SEG1
ATOM	522	CD	GLN	36	17.211	10.337	9.636	1.00	1.79	SEG1
ATOM	523	OE1	GLN	36	17.670	9.313	10.102	1.00	1.72	SEG1
ATOM	524	NE2	GLN	36	17.922	11.430	9.638	1.00	2.68	SEG1
ATOM	525	HE21	GLN	36	17.553	12.256	9.261	1.00	3.14	SEG1
ATOM	526	HE22	GLN	36	18.827	11.426	10.015	1.00	3.03	SEG1

ATOM	527	C	GLN	36	13.784	7.724	7.081	1.00	0.44	SEG1
ATOM	528	O	GLN	36	13.699	7.773	5.868	1.00	0.45	SEG1
ATOM	529	N	GLN	37	13.641	6.602	7.734	1.00	0.41	SEG1
ATOM	530	HN	GLN	37	13.704	6.599	8.714	1.00	0.41	SEG1
ATOM	531	CA	GLN	37	13.363	5.331	7.003	1.00	0.40	SEG1
ATOM	532	HA	GLN	37	14.080	5.189	6.213	1.00	0.45	SEG1
ATOM	533	CB	GLN	37	13.518	4.228	8.052	1.00	0.41	SEG1
ATOM	534	HB1	GLN	37	13.168	3.290	7.649	1.00	0.42	SEG1
ATOM	535	HB2	GLN	37	12.944	4.483	8.932	1.00	0.38	SEG1
ATOM	536	CG	GLN	37	14.999	4.103	8.424	1.00	0.48	SEG1
ATOM	537	HG1	GLN	37	15.356	5.048	8.803	1.00	0.60	SEG1
ATOM	538	HG2	GLN	37	15.566	3.830	7.546	1.00	0.64	SEG1
ATOM	539	CD	GLN	37	15.178	3.027	9.497	1.00	0.50	SEG1
ATOM	540	OE1	GLN	37	14.775	3.208	10.626	1.00	1.10	SEG1
ATOM	541	NE2	GLN	37	15.773	1.907	9.193	1.00	0.90	SEG1
ATOM	542	HE21	GLN	37	16.103	1.758	8.282	1.00	1.44	SEG1
ATOM	543	HE22	GLN	37	15.889	1.213	9.876	1.00	0.99	SEG1
ATOM	544	C	GLN	37	11.950	5.366	6.422	1.00	0.36	SEG1
ATOM	545	O	GLN	37	11.706	4.870	5.340	1.00	0.37	SEG1
ATOM	546	N	LYS	38	11.022	5.968	7.125	1.00	0.33	SEG1
ATOM	547	HN	LYS	38	11.253	6.372	7.987	1.00	0.33	SEG1
ATOM	548	CA	LYS	38	9.620	6.055	6.604	1.00	0.31	SEG1
ATOM	549	HA	LYS	38	9.196	5.071	6.484	1.00	0.32	SEG1
ATOM	550	CB	LYS	38	8.849	6.839	7.672	1.00	0.33	SEG1
ATOM	551	HB1	LYS	38	9.294	7.815	7.792	1.00	0.35	SEG1
ATOM	552	HB2	LYS	38	8.894	6.306	8.610	1.00	0.34	SEG1
ATOM	553	CG	LYS	38	7.388	6.999	7.251	1.00	0.36	SEG1
ATOM	554	HG1	LYS	38	6.937	6.024	7.138	1.00	0.37	SEG1
ATOM	555	HG2	LYS	38	7.338	7.532	6.312	1.00	0.36	SEG1
ATOM	556	CD	LYS	38	6.635	7.784	8.328	1.00	0.46	SEG1
ATOM	557	HD1	LYS	38	7.088	8.756	8.450	1.00	1.19	SEG1
ATOM	558	HD2	LYS	38	6.682	7.244	9.264	1.00	1.04	SEG1
ATOM	559	CE	LYS	38	5.175	7.953	7.910	1.00	1.07	SEG1
ATOM	560	HE1	LYS	38	4.696	6.991	7.826	1.00	1.63	SEG1
ATOM	561	HE2	LYS	38	5.113	8.490	6.973	1.00	1.71	SEG1
ATOM	562	NZ	LYS	38	4.547	8.742	9.007	1.00	1.03	SEG1
ATOM	563	HZ1	LYS	38	5.129	9.580	9.207	1.00	1.31	SEG1
ATOM	564	HZ2	LYS	38	4.478	8.152	9.862	1.00	1.61	SEG1
ATOM	565	HZ3	LYS	38	3.596	9.044	8.716	1.00	1.33	SEG1
ATOM	566	C	LYS	38	9.619	6.811	5.269	1.00	0.32	SEG1
ATOM	567	O	LYS	38	8.966	6.417	4.321	1.00	0.34	SEG1
ATOM	568	N	VAL	39	10.366	7.883	5.191	1.00	0.33	SEG1
ATOM	569	HN	VAL	39	10.888	8.164	5.969	1.00	0.34	SEG1
ATOM	570	CA	VAL	39	10.439	8.664	3.917	1.00	0.35	SEG1
ATOM	571	HA	VAL	39	9.447	8.907	3.564	1.00	0.36	SEG1
ATOM	572	CB	VAL	39	11.208	9.947	4.274	1.00	0.38	SEG1
ATOM	573	HB	VAL	39	12.149	9.682	4.733	1.00	0.39	SEG1
ATOM	574	CG1	VAL	39	11.479	10.772	3.009	1.00	0.42	SEG1
ATOM	575	HG11	VAL	39	11.881	11.735	3.286	1.00	1.12	SEG1
ATOM	576	HG12	VAL	39	10.557	10.910	2.465	1.00	1.09	SEG1
ATOM	577	HG13	VAL	39	12.190	10.251	2.385	1.00	1.05	SEG1
ATOM	578	CG2	VAL	39	10.381	10.782	5.253	1.00	0.38	SEG1
ATOM	579	HG21	VAL	39	10.683	11.816	5.188	1.00	1.08	SEG1
ATOM	580	HG22	VAL	39	10.545	10.422	6.258	1.00	1.12	SEG1
ATOM	581	HG23	VAL	39	9.334	10.695	5.005	1.00	1.03	SEG1
ATOM	582	C	VAL	39	11.203	7.842	2.870	1.00	0.37	SEG1
ATOM	583	O	VAL	39	10.831	7.796	1.713	1.00	0.40	SEG1
ATOM	584	N	ALA	40	12.260	7.178	3.277	1.00	0.39	SEG1
ATOM	585	HN	ALA	40	12.533	7.222	4.218	1.00	0.38	SEG1
ATOM	586	CA	ALA	40	13.035	6.340	2.310	1.00	0.42	SEG1
ATOM	587	HA	ALA	40	13.366	6.933	1.471	1.00	0.46	SEG1
ATOM	588	CB	ALA	40	14.234	5.810	3.098	1.00	0.45	SEG1
ATOM	589	HB1	ALA	40	14.571	6.566	3.793	1.00	1.04	SEG1
ATOM	590	HB2	ALA	40	15.035	5.566	2.416	1.00	1.12	SEG1
ATOM	591	HB3	ALA	40	13.943	4.924	3.644	1.00	1.11	SEG1
ATOM	592	C	ALA	40	12.142	5.193	1.842	1.00	0.40	SEG1
ATOM	593	O	ALA	40	12.097	4.854	0.675	1.00	0.42	SEG1
ATOM	594	N	VAL	41	11.401	4.625	2.756	1.00	0.38	SEG1
ATOM	595	HN	VAL	41	11.447	4.948	3.681	1.00	0.37	SEG1
ATOM	596	CA	VAL	41	10.457	3.522	2.402	1.00	0.38	SEG1
ATOM	597	HA	VAL	41	10.991	2.697	1.958	1.00	0.41	SEG1
ATOM	598	CB	VAL	41	9.836	3.092	3.741	1.00	0.37	SEG1
ATOM	599	HB	VAL	41	9.493	3.965	4.276	1.00	0.35	SEG1
ATOM	600	CG1	VAL	41	8.663	2.133	3.508	1.00	0.38	SEG1
ATOM	601	HG11	VAL	41	7.767	2.703	3.315	1.00	0.97	SEG1
ATOM	602	HG12	VAL	41	8.518	1.522	4.387	1.00	1.10	SEG1
ATOM	603	HG13	VAL	41	8.878	1.500	2.660	1.00	1.07	SEG1

ATOM	604	CG2	VAL	41	10.901	2.376	4.573	1.00	0.39	SEG1
ATOM	605	HG21	VAL	41	11.863	2.833	4.395	1.00	1.06	SEG1
ATOM	606	HG22	VAL	41	10.940	1.335	4.290	1.00	1.05	SEG1
ATOM	607	HG23	VAL	41	10.654	2.456	5.622	1.00	1.11	SEG1
ATOM	608	C	VAL	41	9.411	4.070	1.424	1.00	0.37	SEG1
ATOM	609	O	VAL	41	9.028	3.416	0.473	1.00	0.39	SEG1
ATOM	610	N	TYR	42	8.958	5.278	1.655	1.00	0.37	SEG1
ATOM	611	HN	TYR	42	9.295	5.778	2.427	1.00	0.37	SEG1
ATOM	612	CA	TYR	42	7.941	5.909	0.746	1.00	0.40	SEG1
ATOM	613	HA	TYR	42	6.973	5.454	0.886	1.00	0.40	SEG1
ATOM	614	CB	TYR	42	7.896	7.390	1.168	1.00	0.43	SEG1
ATOM	615	HB1	TYR	42	8.104	8.016	0.312	1.00	0.53	SEG1
ATOM	616	HB2	TYR	42	8.641	7.570	1.926	1.00	0.47	SEG1
ATOM	617	CG	TYR	42	6.539	7.749	1.724	1.00	0.41	SEG1
ATOM	618	CD1	TYR	42	5.881	8.890	1.251	1.00	1.26	SEG1
ATOM	619	HD1	TYR	42	6.341	9.499	0.488	1.00	2.09	SEG1
ATOM	620	CD2	TYR	42	5.944	6.960	2.715	1.00	1.17	SEG1
ATOM	621	HD2	TYR	42	6.450	6.081	3.082	1.00	2.02	SEG1
ATOM	622	CE1	TYR	42	4.631	9.242	1.764	1.00	1.31	SEG1
ATOM	623	HE1	TYR	42	4.129	10.125	1.397	1.00	2.16	SEG1
ATOM	624	CE2	TYR	42	4.691	7.311	3.228	1.00	1.19	SEG1
ATOM	625	HE2	TYR	42	4.233	6.703	3.991	1.00	2.02	SEG1
ATOM	626	CZ	TYR	42	4.034	8.453	2.754	1.00	0.60	SEG1
ATOM	627	OH	TYR	42	2.799	8.799	3.261	1.00	0.75	SEG1
ATOM	628	HH	TYR	42	2.917	9.056	4.179	1.00	1.20	SEG1
ATOM	629	C	TYR	42	8.385	5.801	-0.722	1.00	0.43	SEG1
ATOM	630	O	TYR	42	7.621	5.411	-1.584	1.00	0.42	SEG1
ATOM	631	N	ARG	43	9.615	6.155	-1.004	1.00	0.49	SEG1
ATOM	632	HN	ARG	43	10.206	6.471	-0.288	1.00	0.51	SEG1
ATOM	633	CA	ARG	43	10.116	6.086	-2.411	1.00	0.54	SEG1
ATOM	634	HA	ARG	43	9.465	6.640	-3.069	1.00	0.56	SEG1
ATOM	635	CB	ARG	43	11.501	6.736	-2.380	1.00	0.66	SEG1
ATOM	636	HB1	ARG	43	11.994	6.578	-3.327	1.00	1.44	SEG1
ATOM	637	HB2	ARG	43	12.089	6.292	-1.589	1.00	1.20	SEG1
ATOM	638	CG	ARG	43	11.358	8.238	-2.128	1.00	0.88	SEG1
ATOM	639	HG1	ARG	43	10.875	8.398	-1.175	1.00	1.42	SEG1
ATOM	640	HG2	ARG	43	10.762	8.680	-2.914	1.00	1.62	SEG1
ATOM	641	CD	ARG	43	12.746	8.887	-2.107	1.00	0.77	SEG1
ATOM	642	HD1	ARG	43	13.387	8.381	-1.402	1.00	1.04	SEG1
ATOM	643	HD2	ARG	43	12.665	9.937	-1.859	1.00	1.12	SEG1
ATOM	644	NE	ARG	43	13.278	8.717	-3.497	1.00	1.91	SEG1
ATOM	645	HE	ARG	43	12.718	8.291	-4.180	1.00	2.62	SEG1
ATOM	646	CZ	ARG	43	14.490	9.118	-3.823	1.00	2.29	SEG1
ATOM	647	NH1	ARG	43	14.915	8.932	-5.042	1.00	3.44	SEG1
ATOM	648	HH11	ARG	43	14.323	8.491	-5.716	1.00	4.07	SEG1
ATOM	649	HH12	ARG	43	15.832	9.231	-5.303	1.00	3.79	SEG1
ATOM	650	NH2	ARG	43	15.279	9.704	-2.952	1.00	1.85	SEG1
ATOM	651	HH21	ARG	43	14.973	9.860	-2.014	1.00	1.42	SEG1
ATOM	652	HH22	ARG	43	16.195	9.997	-3.230	1.00	2.34	SEG1
ATOM	653	C	ARG	43	10.227	4.630	-2.874	1.00	0.50	SEG1
ATOM	654	O	ARG	43	9.908	4.304	-4.002	1.00	0.50	SEG1
ATOM	655	N	ALA	44	10.680	3.754	-2.011	1.00	0.51	SEG1
ATOM	656	HN	ALA	44	10.931	4.044	-1.108	1.00	0.52	SEG1
ATOM	657	CA	ALA	44	10.816	2.315	-2.400	1.00	0.52	SEG1
ATOM	658	HA	ALA	44	11.458	2.217	-3.261	1.00	0.57	SEG1
ATOM	659	CB	ALA	44	11.454	1.627	-1.191	1.00	0.54	SEG1
ATOM	660	HB1	ALA	44	10.679	1.303	-0.511	1.00	1.08	SEG1
ATOM	661	HB2	ALA	44	12.108	2.321	-0.686	1.00	1.23	SEG1
ATOM	662	HB3	ALA	44	12.023	0.771	-1.522	1.00	1.10	SEG1
ATOM	663	C	ALA	44	9.439	1.714	-2.690	1.00	0.45	SEG1
ATOM	664	O	ALA	44	9.255	0.999	-3.657	1.00	0.47	SEG1
ATOM	665	N	LEU	45	8.474	2.001	-1.855	1.00	0.41	SEG1
ATOM	666	HN	LEU	45	8.655	2.581	-1.084	1.00	0.42	SEG1
ATOM	667	CA	LEU	45	7.101	1.454	-2.069	1.00	0.38	SEG1
ATOM	668	HA	LEU	45	7.139	0.384	-2.197	1.00	0.41	SEG1
ATOM	669	CB	LEU	45	6.323	1.802	-0.801	1.00	0.37	SEG1
ATOM	670	HB1	LEU	45	5.278	1.582	-0.951	1.00	0.37	SEG1
ATOM	671	HB2	LEU	45	6.442	2.854	-0.581	1.00	0.37	SEG1
ATOM	672	CG	LEU	45	6.852	0.971	0.368	1.00	0.40	SEG1
ATOM	673	HG	LEU	45	7.928	1.054	0.410	1.00	0.41	SEG1
ATOM	674	CD1	LEU	45	6.251	1.494	1.673	1.00	0.42	SEG1
ATOM	675	HD11	LEU	45	5.183	1.332	1.668	1.00	0.91	SEG1
ATOM	676	HD12	LEU	45	6.455	2.550	1.764	1.00	1.16	SEG1
ATOM	677	HD13	LEU	45	6.692	0.968	2.507	1.00	1.10	SEG1
ATOM	678	CD2	LEU	45	6.457	-0.495	0.176	1.00	0.45	SEG1
ATOM	679	HD21	LEU	45	7.249	-1.016	-0.341	1.00	1.17	SEG1
ATOM	680	HD22	LEU	45	5.550	-0.551	-0.408	1.00	1.07	SEG1

ATOM	681	HD23	LEU	45	6.294	-0.954	1.140	1.00	1.06	SEG1
ATOM	682	C	LEU	45	6.457	2.115	-3.290	1.00	0.37	SEG1
ATOM	683	O	LEU	45	5.698	1.500	-4.014	1.00	0.37	SEG1
ATOM	684	N	GLN	46	6.755	3.369	-3.513	1.00	0.37	SEG1
ATOM	685	HN	GLN	46	7.368	3.836	-2.906	1.00	0.39	SEG1
ATOM	686	CA	GLN	46	6.162	4.094	-4.680	1.00	0.38	SEG1
ATOM	687	HA	GLN	46	5.089	4.141	-4.588	1.00	0.39	SEG1
ATOM	688	CB	GLN	46	6.756	5.506	-4.611	1.00	0.42	SEG1
ATOM	689	HB1	GLN	46	7.831	5.447	-4.681	1.00	0.42	SEG1
ATOM	690	HB2	GLN	46	6.482	5.963	-3.671	1.00	0.43	SEG1
ATOM	691	CG	GLN	46	6.220	6.358	-5.767	1.00	0.46	SEG1
ATOM	692	HG1	GLN	46	5.144	6.415	-5.702	1.00	0.54	SEG1
ATOM	693	HG2	GLN	46	6.500	5.905	-6.706	1.00	0.65	SEG1
ATOM	694	CD	GLN	46	6.808	7.772	-5.687	1.00	0.92	SEG1
ATOM	695	OE1	GLN	46	7.395	8.149	-4.690	1.00	1.16	SEG1
ATOM	696	NE2	GLN	46	6.687	8.573	-6.710	1.00	1.46	SEG1
ATOM	697	HE21	GLN	46	6.225	8.269	-7.519	1.00	1.64	SEG1
ATOM	698	HE22	GLN	46	7.057	9.480	-6.669	1.00	1.83	SEG1
ATOM	699	C	GLN	46	6.555	3.402	-5.989	1.00	0.37	SEG1
ATOM	700	O	GLN	46	5.752	3.272	-6.895	1.00	0.37	SEG1
ATOM	701	N	ALA	47	7.781	2.957	-6.092	1.00	0.39	SEG1
ATOM	702	HN	ALA	47	8.405	3.072	-5.345	1.00	0.41	SEG1
ATOM	703	CA	ALA	47	8.226	2.267	-7.341	1.00	0.41	SEG1
ATOM	704	HA	ALA	47	8.001	2.873	-8.204	1.00	0.41	SEG1
ATOM	705	CB	ALA	47	9.740	2.105	-7.195	1.00	0.46	SEG1
ATOM	706	HB1	ALA	47	9.958	1.155	-6.730	1.00	1.14	SEG1
ATOM	707	HB2	ALA	47	10.131	2.904	-6.582	1.00	1.11	SEG1
ATOM	708	HB3	ALA	47	10.202	2.143	-8.171	1.00	1.09	SEG1
ATOM	709	C	ALA	47	7.550	0.898	-7.462	1.00	0.39	SEG1
ATOM	710	O	ALA	47	7.154	0.487	-8.536	1.00	0.39	SEG1
ATOM	711	N	ALA	48	7.422	0.191	-6.368	1.00	0.40	SEG1
ATOM	712	HN	ALA	48	7.755	0.547	-5.516	1.00	0.41	SEG1
ATOM	713	CA	ALA	48	6.777	-1.159	-6.414	1.00	0.42	SEG1
ATOM	714	HA	ALA	48	7.346	-1.823	-7.045	1.00	0.45	SEG1
ATOM	715	CB	ALA	48	6.800	-1.669	-4.972	1.00	0.46	SEG1
ATOM	716	HB1	ALA	48	6.464	-0.887	-4.307	1.00	1.10	SEG1
ATOM	717	HB2	ALA	48	7.807	-1.958	-4.708	1.00	1.01	SEG1
ATOM	718	HB3	ALA	48	6.146	-2.524	-4.882	1.00	0.97	SEG1
ATOM	719	C	ALA	48	5.336	-1.051	-6.921	1.00	0.39	SEG1
ATOM	720	O	ALA	48	4.896	-1.843	-7.734	1.00	0.40	SEG1
ATOM	721	N	LEU	49	4.598	-0.079	-6.446	1.00	0.36	SEG1
ATOM	722	HN	LEU	49	4.977	0.544	-5.790	1.00	0.36	SEG1
ATOM	723	CA	LEU	49	3.181	0.083	-6.896	1.00	0.35	SEG1
ATOM	724	HA	LEU	49	2.603	-0.787	-6.632	1.00	0.38	SEG1
ATOM	725	CB	LEU	49	2.647	1.305	-6.154	1.00	0.33	SEG1
ATOM	726	HB1	LEU	49	1.643	1.509	-6.490	1.00	0.35	SEG1
ATOM	727	HB2	LEU	49	3.275	2.156	-6.362	1.00	0.33	SEG1
ATOM	728	CG	LEU	49	2.634	1.032	-4.650	1.00	0.35	SEG1
ATOM	729	HG	LEU	49	3.604	0.669	-4.341	1.00	0.37	SEG1
ATOM	730	CD1	LEU	49	2.312	2.326	-3.902	1.00	0.37	SEG1
ATOM	731	HD11	LEU	49	2.785	2.309	-2.932	1.00	1.08	SEG1
ATOM	732	HD12	LEU	49	1.242	2.414	-3.781	1.00	1.06	SEG1
ATOM	733	HD13	LEU	49	2.680	3.169	-4.467	1.00	1.10	SEG1
ATOM	734	CD2	LEU	49	1.568	-0.017	-4.329	1.00	0.39	SEG1
ATOM	735	HD21	LEU	49	1.954	-1.002	-4.549	1.00	1.04	SEG1
ATOM	736	HD22	LEU	49	0.689	0.168	-4.928	1.00	1.15	SEG1
ATOM	737	HD23	LEU	49	1.309	0.043	-3.282	1.00	1.02	SEG1
ATOM	738	C	LEU	49	3.124	0.321	-8.406	1.00	0.36	SEG1
ATOM	739	O	LEU	49	2.256	-0.188	-9.089	1.00	0.38	SEG1
ATOM	740	N	ALA	50	4.041	1.101	-8.932	1.00	0.36	SEG1
ATOM	741	HN	ALA	50	4.726	1.504	-8.355	1.00	0.35	SEG1
ATOM	742	CA	ALA	50	4.040	1.388	-10.404	1.00	0.39	SEG1
ATOM	743	HA	ALA	50	3.192	1.998	-10.667	1.00	0.40	SEG1
ATOM	744	CB	ALA	50	5.338	2.158	-10.664	1.00	0.42	SEG1
ATOM	745	HB1	ALA	50	5.640	2.669	-9.761	1.00	1.08	SEG1
ATOM	746	HB2	ALA	50	5.177	2.880	-11.449	1.00	1.10	SEG1
ATOM	747	HB3	ALA	50	6.112	1.468	-10.963	1.00	1.13	SEG1
ATOM	748	C	ALA	50	4.025	0.082	-11.202	1.00	0.41	SEG1
ATOM	749	O	ALA	50	3.347	-0.037	-12.205	1.00	0.44	SEG1
ATOM	750	N	GLU	51	4.759	-0.897	-10.749	1.00	0.42	SEG1
ATOM	751	HN	GLU	51	5.285	-0.771	-9.932	1.00	0.40	SEG1
ATOM	752	CA	GLU	51	4.788	-2.209	-11.460	1.00	0.46	SEG1
ATOM	753	HA	GLU	51	5.054	-2.070	-12.495	1.00	0.50	SEG1
ATOM	754	CB	GLU	51	5.864	-3.033	-10.750	1.00	0.49	SEG1
ATOM	755	HB1	GLU	51	5.823	-4.055	-11.096	1.00	0.53	SEG1
ATOM	756	HB2	GLU	51	5.693	-3.006	-9.684	1.00	0.47	SEG1
ATOM	757	CG	GLU	51	7.245	-2.446	-11.064	1.00	0.52	SEG1

ATOM	758	HG1	GLU	51	7.284	-1.423	-10.720	1.00	0.83	SEG1
ATOM	759	HG2	GLU	51	7.409	-2.470	-12.131	1.00	0.71	SEG1
ATOM	760	CD	GLU	51	8.343	-3.257	-10.361	1.00	0.92	SEG1
ATOM	761	OE1	GLU	51	8.013	-4.095	-9.533	1.00	1.57	SEG1
ATOM	762	OE2	GLU	51	9.502	-3.025	-10.664	1.00	1.58	SEG1
ATOM	763	C	GLU	51	3.422	-2.895	-11.347	1.00	0.46	SEG1
ATOM	764	O	GLU	51	2.956	-3.522	-12.279	1.00	0.50	SEG1
ATOM	765	N	SER	52	2.784	-2.789	-10.205	1.00	0.42	SEG1
ATOM	766	HN	SER	52	3.185	-2.283	-9.466	1.00	0.39	SEG1
ATOM	767	CA	SER	52	1.451	-3.445	-10.022	1.00	0.43	SEG1
ATOM	768	HA	SER	52	1.453	-4.420	-10.480	1.00	0.47	SEG1
ATOM	769	CB	SER	52	1.287	-3.588	-8.510	1.00	0.42	SEG1
ATOM	770	HB1	SER	52	0.312	-4.003	-8.293	1.00	1.06	SEG1
ATOM	771	HB2	SER	52	1.375	-2.622	-8.043	1.00	0.95	SEG1
ATOM	772	OG	SER	52	2.304	-4.445	-8.007	1.00	1.34	SEG1
ATOM	773	HG	SER	52	2.885	-3.922	-7.451	1.00	1.64	SEG1
ATOM	774	C	SER	52	0.316	-2.587	-10.604	1.00	0.42	SEG1
ATOM	775	O	SER	52	-0.808	-3.043	-10.713	1.00	0.46	SEG1
ATOM	776	N	GLY	53	0.591	-1.361	-10.984	1.00	0.41	SEG1
ATOM	777	HN	GLY	53	1.500	-1.009	-10.891	1.00	0.40	SEG1
ATOM	778	CA	GLY	53	-0.483	-0.497	-11.563	1.00	0.42	SEG1
ATOM	779	HA1	GLY	53	-1.350	-1.102	-11.778	1.00	0.45	SEG1
ATOM	780	HA2	GLY	53	-0.125	-0.048	-12.477	1.00	0.45	SEG1
ATOM	781	C	GLY	53	-0.876	0.610	-10.576	1.00	0.39	SEG1
ATOM	782	O	GLY	53	-1.904	1.244	-10.731	1.00	0.41	SEG1
ATOM	783	N	GLY	54	-0.068	0.858	-9.574	1.00	0.37	SEG1
ATOM	784	HN	GLY	54	0.758	0.348	-9.472	1.00	0.38	SEG1
ATOM	785	CA	GLY	54	-0.395	1.933	-8.594	1.00	0.35	SEG1
ATOM	786	HA1	GLY	54	-0.294	1.551	-7.589	1.00	0.35	SEG1
ATOM	787	HA2	GLY	54	-1.408	2.274	-8.754	1.00	0.35	SEG1
ATOM	788	C	GLY	54	0.578	3.091	-8.797	1.00	0.38	SEG1
ATOM	789	O	GLY	54	1.469	3.314	-7.999	1.00	0.40	SEG1
ATOM	790	N	SER	55	0.417	3.823	-9.869	1.00	0.41	SEG1
ATOM	791	HN	SER	55	-0.305	3.610	-10.497	1.00	0.41	SEG1
ATOM	792	CA	SER	55	1.338	4.969	-10.146	1.00	0.46	SEG1
ATOM	793	HA	SER	55	2.352	4.618	-10.258	1.00	0.50	SEG1
ATOM	794	CB	SER	55	0.846	5.576	-11.463	1.00	0.50	SEG1
ATOM	795	HB1	SER	55	0.676	4.784	-12.181	1.00	0.50	SEG1
ATOM	796	HB2	SER	55	1.587	6.254	-11.850	1.00	0.59	SEG1
ATOM	797	OG	SER	55	-0.363	6.286	-11.233	1.00	0.49	SEG1
ATOM	798	HG	SER	55	-0.161	7.225	-11.238	1.00	0.74	SEG1
ATOM	799	C	SER	55	1.248	6.001	-9.012	1.00	0.46	SEG1
ATOM	800	O	SER	55	0.277	6.023	-8.283	1.00	0.42	SEG1
ATOM	801	N	PRO	56	2.265	6.826	-8.889	1.00	0.54	SEG1
ATOM	802	CA	PRO	56	2.267	7.855	-7.818	1.00	0.56	SEG1
ATOM	803	HA	PRO	56	2.081	7.403	-6.858	1.00	0.55	SEG1
ATOM	804	CB	PRO	56	3.685	8.417	-7.861	1.00	0.66	SEG1
ATOM	805	HB1	PRO	56	4.314	7.904	-7.151	1.00	0.69	SEG1
ATOM	806	HB2	PRO	56	3.673	9.480	-7.659	1.00	0.68	SEG1
ATOM	807	CG	PRO	56	4.163	8.154	-9.252	1.00	0.70	SEG1
ATOM	808	HG1	PRO	56	5.233	8.017	-9.258	1.00	0.77	SEG1
ATOM	809	HG2	PRO	56	3.890	8.978	-9.898	1.00	0.72	SEG1
ATOM	810	CD	PRO	56	3.487	6.889	-9.711	1.00	0.64	SEG1
ATOM	811	HD2	PRO	56	3.240	6.952	-10.763	1.00	0.65	SEG1
ATOM	812	HD1	PRO	56	4.111	6.032	-9.515	1.00	0.67	SEG1
ATOM	813	C	PRO	56	1.241	8.958	-8.105	1.00	0.55	SEG1
ATOM	814	O	PRO	56	0.942	9.765	-7.244	1.00	0.57	SEG1
ATOM	815	N	ASP	57	0.695	9.001	-9.298	1.00	0.56	SEG1
ATOM	816	HN	ASP	57	0.940	8.342	-9.978	1.00	0.56	SEG1
ATOM	817	CA	ASP	57	-0.310	10.053	-9.621	1.00	0.60	SEG1
ATOM	818	HA	ASP	57	-0.082	10.966	-9.095	1.00	0.65	SEG1
ATOM	819	CB	ASP	57	-0.185	10.273	-11.129	1.00	0.68	SEG1
ATOM	820	HB1	ASP	57	-0.999	10.894	-11.470	1.00	1.04	SEG1
ATOM	821	HB2	ASP	57	-0.223	9.320	-11.636	1.00	1.22	SEG1
ATOM	822	CG	ASP	57	1.146	10.965	-11.444	1.00	1.17	SEG1
ATOM	823	OD1	ASP	57	1.650	10.762	-12.536	1.00	1.87	SEG1
ATOM	824	OD2	ASP	57	1.636	11.689	-10.591	1.00	1.84	SEG1
ATOM	825	C	ASP	57	-1.713	9.565	-9.264	1.00	0.57	SEG1
ATOM	826	O	ASP	57	-2.603	10.355	-9.006	1.00	0.66	SEG1
ATOM	827	N	VAL	58	-1.921	8.271	-9.259	1.00	0.49	SEG1
ATOM	828	HN	VAL	58	-1.192	7.654	-9.479	1.00	0.47	SEG1
ATOM	829	CA	VAL	58	-3.271	7.737	-8.930	1.00	0.50	SEG1
ATOM	830	HA	VAL	58	-3.985	8.545	-8.933	1.00	0.54	SEG1
ATOM	831	CB	VAL	58	-3.603	6.764	-10.083	1.00	0.51	SEG1
ATOM	832	HB	VAL	58	-3.274	7.198	-11.015	1.00	0.55	SEG1
ATOM	833	CG1	VAL	58	-2.905	5.406	-9.905	1.00	0.46	SEG1
ATOM	834	HG11	VAL	58	-3.317	4.899	-9.045	1.00	1.04	SEG1

ATOM	835	HG12	VAL	58	-1.849	5.558	-9.760	1.00	1.10	SEG1
ATOM	836	HG13	VAL	58	-3.063	4.803	-10.786	1.00	1.17	SEG1
ATOM	837	CG2	VAL	58	-5.116	6.560	-10.141	1.00	0.64	SEG1
ATOM	838	HG21	VAL	58	-5.442	6.592	-11.169	1.00	1.17	SEG1
ATOM	839	HG22	VAL	58	-5.610	7.344	-9.585	1.00	1.24	SEG1
ATOM	840	HG23	VAL	58	-5.369	5.602	-9.712	1.00	1.13	SEG1
ATOM	841	C	VAL	58	-3.277	7.052	-7.549	1.00	0.45	SEG1
ATOM	842	O	VAL	58	-4.179	7.252	-6.757	1.00	0.49	SEG1
ATOM	843	N	LEU	59	-2.280	6.252	-7.261	1.00	0.40	SEG1
ATOM	844	HN	LEU	59	-1.564	6.110	-7.912	1.00	0.40	SEG1
ATOM	845	CA	LEU	59	-2.224	5.559	-5.937	1.00	0.36	SEG1
ATOM	846	HA	LEU	59	-3.151	5.698	-5.405	1.00	0.38	SEG1
ATOM	847	CB	LEU	59	-2.030	4.076	-6.269	1.00	0.34	SEG1
ATOM	848	HB1	LEU	59	-1.319	3.643	-5.581	1.00	0.32	SEG1
ATOM	849	HB2	LEU	59	-1.659	3.980	-7.279	1.00	0.35	SEG1
ATOM	850	CG	LEU	59	-3.366	3.339	-6.147	1.00	0.35	SEG1
ATOM	851	HG	LEU	59	-4.177	4.025	-6.348	1.00	0.37	SEG1
ATOM	852	CD1	LEU	59	-3.408	2.186	-7.150	1.00	0.36	SEG1
ATOM	853	HD11	LEU	59	-2.581	1.517	-6.964	1.00	1.01	SEG1
ATOM	854	HD12	LEU	59	-3.337	2.579	-8.153	1.00	1.15	SEG1
ATOM	855	HD13	LEU	59	-4.338	1.648	-7.040	1.00	1.03	SEG1
ATOM	856	CD2	LEU	59	-3.506	2.778	-4.730	1.00	0.34	SEG1
ATOM	857	HD21	LEU	59	-3.064	1.793	-4.688	1.00	0.99	SEG1
ATOM	858	HD22	LEU	59	-4.552	2.714	-4.469	1.00	0.92	SEG1
ATOM	859	HD23	LEU	59	-3.000	3.430	-4.033	1.00	1.10	SEG1
ATOM	860	C	LEU	59	-1.053	6.088	-5.106	1.00	0.34	SEG1
ATOM	861	O	LEU	59	0.087	6.060	-5.532	1.00	0.36	SEG1
ATOM	862	N	GLN	60	-1.331	6.565	-3.921	1.00	0.34	SEG1
ATOM	863	HN	GLN	60	-2.259	6.572	-3.605	1.00	0.36	SEG1
ATOM	864	CA	GLN	60	-0.248	7.099	-3.044	1.00	0.34	SEG1
ATOM	865	HA	GLN	60	0.721	6.849	-3.443	1.00	0.35	SEG1
ATOM	866	CB	GLN	60	-0.447	8.615	-3.053	1.00	0.39	SEG1
ATOM	867	HB1	GLN	60	0.187	9.067	-2.304	1.00	0.61	SEG1
ATOM	868	HB2	GLN	60	-1.480	8.843	-2.835	1.00	0.60	SEG1
ATOM	869	CG	GLN	60	-0.081	9.170	-4.430	1.00	0.80	SEG1
ATOM	870	HG1	GLN	60	-0.599	8.610	-5.194	1.00	1.24	SEG1
ATOM	871	HG2	GLN	60	0.986	9.084	-4.581	1.00	1.15	SEG1
ATOM	872	CD	GLN	60	-0.492	10.641	-4.513	1.00	1.13	SEG1
ATOM	873	OE1	GLN	60	-1.398	11.070	-3.827	1.00	1.43	SEG1
ATOM	874	NE2	GLN	60	0.141	11.438	-5.330	1.00	1.63	SEG1
ATOM	875	HE21	GLN	60	0.873	11.093	-5.882	1.00	1.87	SEG1
ATOM	876	HE22	GLN	60	-0.115	12.382	-5.390	1.00	1.98	SEG1
ATOM	877	C	GLN	60	-0.406	6.545	-1.626	1.00	0.30	SEG1
ATOM	878	O	GLN	60	-1.482	6.135	-1.231	1.00	0.30	SEG1
ATOM	879	N	MET	61	0.654	6.535	-0.857	1.00	0.30	SEG1
ATOM	880	HN	MET	61	1.508	6.874	-1.196	1.00	0.33	SEG1
ATOM	881	CA	MET	61	0.560	6.012	0.539	1.00	0.28	SEG1
ATOM	882	HA	MET	61	-0.211	5.264	0.609	1.00	0.27	SEG1
ATOM	883	CB	MET	61	1.926	5.387	0.820	1.00	0.31	SEG1
ATOM	884	HB1	MET	61	1.999	5.139	1.868	1.00	0.35	SEG1
ATOM	885	HB2	MET	61	2.704	6.090	0.560	1.00	0.35	SEG1
ATOM	886	CG	MET	61	2.084	4.116	-0.014	1.00	0.32	SEG1
ATOM	887	HG1	MET	61	1.880	4.339	-1.051	1.00	0.64	SEG1
ATOM	888	HG2	MET	61	1.389	3.368	0.337	1.00	0.57	SEG1
ATOM	889	SD	MET	61	3.773	3.494	0.150	1.00	0.71	SEG1
ATOM	890	CE	MET	61	4.507	4.495	-1.167	1.00	0.46	SEG1
ATOM	891	HE1	MET	61	5.558	4.643	-0.963	1.00	1.11	SEG1
ATOM	892	HE2	MET	61	4.013	5.453	-1.210	1.00	1.09	SEG1
ATOM	893	HE3	MET	61	4.385	3.987	-2.114	1.00	1.09	SEG1
ATOM	894	C	MET	61	0.284	7.164	1.505	1.00	0.30	SEG1
ATOM	895	O	MET	61	1.066	8.090	1.617	1.00	0.40	SEG1
ATOM	896	N	LEU	62	-0.829	7.119	2.191	1.00	0.29	SEG1
ATOM	897	HN	LEU	62	-1.445	6.365	2.073	1.00	0.35	SEG1
ATOM	898	CA	LEU	62	-1.168	8.220	3.144	1.00	0.32	SEG1
ATOM	899	HA	LEU	62	-1.099	9.175	2.645	1.00	0.36	SEG1
ATOM	900	CB	LEU	62	-2.618	7.961	3.556	1.00	0.33	SEG1
ATOM	901	HB1	LEU	62	-2.884	8.613	4.373	1.00	0.84	SEG1
ATOM	902	HB2	LEU	62	-2.727	6.930	3.865	1.00	0.78	SEG1
ATOM	903	CG	LEU	62	-3.536	8.239	2.364	1.00	1.02	SEG1
ATOM	904	HG	LEU	62	-3.166	7.713	1.496	1.00	1.76	SEG1
ATOM	905	CD1	LEU	62	-4.952	7.760	2.683	1.00	1.40	SEG1
ATOM	906	HD11	LEU	62	-4.962	6.682	2.744	1.00	1.72	SEG1
ATOM	907	HD12	LEU	62	-5.625	8.082	1.902	1.00	2.05	SEG1
ATOM	908	HD13	LEU	62	-5.270	8.178	3.626	1.00	1.83	SEG1
ATOM	909	CD2	LEU	62	-3.557	9.742	2.080	1.00	1.50	SEG1
ATOM	910	HD21	LEU	62	-4.406	9.980	1.456	1.00	2.18	SEG1
ATOM	911	HD22	LEU	62	-2.647	10.025	1.572	1.00	1.77	SEG1

ATOM	912	HD23	LEU	62	-3.632	10.284	3.011	1.00	1.93	SEG1
ATOM	913	C	LEU	62	-0.242	8.195	4.363	1.00	0.31	SEG1
ATOM	914	O	LEU	62	0.188	9.230	4.837	1.00	0.34	SEG1
ATOM	915	N	LYS	63	0.076	7.026	4.874	1.00	0.31	SEG1
ATOM	916	HN	LYS	63	-0.278	6.202	4.477	1.00	0.34	SEG1
ATOM	917	CA	LYS	63	0.984	6.956	6.062	1.00	0.33	SEG1
ATOM	918	HA	LYS	63	1.847	7.582	5.908	1.00	0.37	SEG1
ATOM	919	CB	LYS	63	0.154	7.496	7.235	1.00	0.37	SEG1
ATOM	920	HB1	LYS	63	-0.723	6.880	7.368	1.00	0.67	SEG1
ATOM	921	HB2	LYS	63	-0.150	8.511	7.023	1.00	0.76	SEG1
ATOM	922	CG	LYS	63	0.990	7.471	8.522	1.00	0.78	SEG1
ATOM	923	HG1	LYS	63	1.867	8.087	8.393	1.00	1.25	SEG1
ATOM	924	HG2	LYS	63	1.291	6.456	8.735	1.00	1.17	SEG1
ATOM	925	CD	LYS	63	0.157	8.011	9.686	1.00	0.83	SEG1
ATOM	926	HD1	LYS	63	-0.722	7.399	9.815	1.00	1.08	SEG1
ATOM	927	HD2	LYS	63	-0.139	9.026	9.471	1.00	1.00	SEG1
ATOM	928	CE	LYS	63	0.990	7.984	10.970	1.00	1.32	SEG1
ATOM	929	HE1	LYS	63	1.895	8.558	10.846	1.00	1.73	SEG1
ATOM	930	HE2	LYS	63	1.223	6.965	11.244	1.00	1.74	SEG1
ATOM	931	NZ	LYS	63	0.123	8.617	12.004	1.00	1.53	SEG1
ATOM	932	HZ1	LYS	63	-0.025	9.618	11.768	1.00	1.85	SEG1
ATOM	933	HZ2	LYS	63	0.583	8.544	12.934	1.00	1.93	SEG1
ATOM	934	HZ3	LYS	63	-0.796	8.130	12.032	1.00	1.91	SEG1
ATOM	935	C	LYS	63	1.419	5.514	6.336	1.00	0.29	SEG1
ATOM	936	O	LYS	63	0.778	4.566	5.924	1.00	0.28	SEG1
ATOM	937	N	ILE	64	2.499	5.357	7.056	1.00	0.28	SEG1
ATOM	938	HN	ILE	64	2.978	6.141	7.385	1.00	0.31	SEG1
ATOM	939	CA	ILE	64	2.990	3.993	7.402	1.00	0.27	SEG1
ATOM	940	HA	ILE	64	2.589	3.257	6.724	1.00	0.26	SEG1
ATOM	941	CB	ILE	64	4.521	4.064	7.279	1.00	0.29	SEG1
ATOM	942	HB	ILE	64	4.905	4.737	8.033	1.00	0.30	SEG1
ATOM	943	CG1	ILE	64	4.931	4.574	5.883	1.00	0.31	SEG1
ATOM	944	HG11	ILE	64	6.011	4.594	5.813	1.00	0.33	SEG1
ATOM	945	HG12	ILE	64	4.547	5.574	5.742	1.00	0.32	SEG1
ATOM	946	CG2	ILE	64	5.114	2.671	7.507	1.00	0.30	SEG1
ATOM	947	HG21	ILE	64	6.108	2.629	7.085	1.00	1.02	SEG1
ATOM	948	HG22	ILE	64	4.489	1.931	7.030	1.00	1.02	SEG1
ATOM	949	HG23	ILE	64	5.165	2.471	8.567	1.00	1.04	SEG1
ATOM	950	CD1	ILE	64	4.368	3.654	4.791	1.00	0.30	SEG1
ATOM	951	HD11	ILE	64	4.830	3.894	3.844	1.00	1.02	SEG1
ATOM	952	HD12	ILE	64	3.300	3.796	4.714	1.00	1.05	SEG1
ATOM	953	HD13	ILE	64	4.577	2.625	5.042	1.00	1.09	SEG1
ATOM	954	C	ILE	64	2.583	3.686	8.847	1.00	0.26	SEG1
ATOM	955	O	ILE	64	3.032	4.337	9.773	1.00	0.29	SEG1
ATOM	956	N	HIS	65	1.728	2.716	9.047	1.00	0.27	SEG1
ATOM	957	HN	HIS	65	1.371	2.214	8.284	1.00	0.28	SEG1
ATOM	958	CA	HIS	65	1.280	2.384	10.435	1.00	0.27	SEG1
ATOM	959	HA	HIS	65	1.387	3.243	11.077	1.00	0.30	SEG1
ATOM	960	CB	HIS	65	-0.200	2.025	10.296	1.00	0.28	SEG1
ATOM	961	HB1	HIS	65	-0.543	1.551	11.203	1.00	0.31	SEG1
ATOM	962	HB2	HIS	65	-0.329	1.350	9.464	1.00	0.29	SEG1
ATOM	963	CG	HIS	65	-0.999	3.275	10.051	1.00	0.30	SEG1
ATOM	964	ND1	HIS	65	-1.426	4.092	11.086	1.00	1.11	SEG1
ATOM	965	HD1	HIS	65	-1.262	3.949	12.041	1.00	1.90	SEG1
ATOM	966	CD2	HIS	65	-1.456	3.862	8.897	1.00	0.97	SEG1
ATOM	967	HD2	HIS	65	-1.297	3.479	7.900	1.00	1.89	SEG1
ATOM	968	CE1	HIS	65	-2.107	5.115	10.540	1.00	0.85	SEG1
ATOM	969	HE1	HIS	65	-2.560	5.914	11.109	1.00	1.46	SEG1
ATOM	970	NE2	HIS	65	-2.156	5.024	9.208	1.00	0.58	SEG1
ATOM	971	C	HIS	65	2.072	1.201	10.995	1.00	0.28	SEG1
ATOM	972	O	HIS	65	2.183	0.163	10.372	1.00	0.27	SEG1
ATOM	973	N	ARG	66	2.628	1.359	12.170	1.00	0.35	SEG1
ATOM	974	HN	ARG	66	2.527	2.208	12.647	1.00	0.41	SEG1
ATOM	975	CA	ARG	66	3.420	0.258	12.786	1.00	0.39	SEG1
ATOM	976	HA	ARG	66	3.636	-0.510	12.058	1.00	0.36	SEG1
ATOM	977	CB	ARG	66	4.712	0.930	13.235	1.00	0.49	SEG1
ATOM	978	HB1	ARG	66	5.293	0.239	13.821	1.00	0.54	SEG1
ATOM	979	HB2	ARG	66	4.477	1.800	13.831	1.00	0.51	SEG1
ATOM	980	CG	ARG	66	5.516	1.354	12.005	1.00	0.54	SEG1
ATOM	981	HG1	ARG	66	4.935	2.048	11.417	1.00	0.61	SEG1
ATOM	982	HG2	ARG	66	5.748	0.483	11.410	1.00	0.71	SEG1
ATOM	983	CD	ARG	66	6.815	2.029	12.448	1.00	0.64	SEG1
ATOM	984	HD1	ARG	66	7.385	2.345	11.592	1.00	1.19	SEG1
ATOM	985	HD2	ARG	66	7.396	1.353	13.060	1.00	0.78	SEG1
ATOM	986	NE	ARG	66	6.385	3.219	13.248	1.00	1.37	SEG1
ATOM	987	HE	ARG	66	6.366	3.156	14.225	1.00	1.94	SEG1
ATOM	988	CZ	ARG	66	6.041	4.354	12.669	1.00	2.05	SEG1

ATOM	989	NH1	ARG	66	5.696	5.367	13.415	1.00	2.83	SEG1
ATOM	990	HH11	ARG	66	5.693	5.277	14.411	1.00	3.08	SEG1
ATOM	991	HH12	ARG	66	5.435	6.234	12.991	1.00	3.45	SEG1
ATOM	992	NH2	ARG	66	6.027	4.487	11.362	1.00	2.58	SEG1
ATOM	993	HH21	ARG	66	6.277	3.723	10.771	1.00	2.48	SEG1
ATOM	994	HH22	ARG	66	5.764	5.362	10.956	1.00	3.40	SEG1
ATOM	995	C	ARG	66	2.674	-0.330	13.990	1.00	0.43	SEG1
ATOM	996	O	ARG	66	2.379	0.364	14.945	1.00	0.49	SEG1
ATOM	997	N	SER	67	2.379	-1.604	13.954	1.00	0.42	SEG1
ATOM	998	HN	SER	67	2.635	-2.141	13.175	1.00	0.39	SEG1
ATOM	999	CA	SER	67	1.662	-2.250	15.097	1.00	0.49	SEG1
ATOM	1000	HA	SER	67	1.880	-1.735	16.019	1.00	0.54	SEG1
ATOM	1001	CB	SER	67	0.177	-2.121	14.760	1.00	0.52	SEG1
ATOM	1002	HB1	SER	67	-0.042	-2.702	13.874	1.00	0.53	SEG1
ATOM	1003	HB2	SER	67	-0.064	-1.087	14.576	1.00	0.53	SEG1
ATOM	1004	OG	SER	67	-0.596	-2.593	15.856	1.00	0.57	SEG1
ATOM	1005	HG	SER	67	-0.742	-3.534	15.732	1.00	1.01	SEG1
ATOM	1006	C	SER	67	2.070	-3.721	15.193	1.00	0.49	SEG1
ATOM	1007	O	SER	67	2.287	-4.364	14.187	1.00	0.47	SEG1
ATOM	1008	N	ASP	68	2.182	-4.252	16.398	1.00	0.54	SEG1
ATOM	1009	HN	ASP	68	2.003	-3.695	17.185	1.00	0.56	SEG1
ATOM	1010	CA	ASP	68	2.584	-5.694	16.591	1.00	0.57	SEG1
ATOM	1011	HA	ASP	68	2.852	-5.851	17.625	1.00	0.61	SEG1
ATOM	1012	CB	ASP	68	1.298	-6.497	16.270	1.00	0.60	SEG1
ATOM	1013	HB1	ASP	68	0.449	-5.962	16.671	1.00	0.62	SEG1
ATOM	1014	HB2	ASP	68	1.349	-7.461	16.746	1.00	0.64	SEG1
ATOM	1015	CG	ASP	68	1.092	-6.685	14.758	1.00	0.56	SEG1
ATOM	1016	OD1	ASP	68	1.946	-7.284	14.125	1.00	1.22	SEG1
ATOM	1017	OD2	ASP	68	0.080	-6.221	14.260	1.00	1.18	SEG1
ATOM	1018	C	ASP	68	3.799	-6.044	15.691	1.00	0.53	SEG1
ATOM	1019	O	ASP	68	4.412	-5.146	15.145	1.00	0.49	SEG1
ATOM	1020	N	PRO	69	4.131	-7.314	15.552	1.00	0.55	SEG1
ATOM	1021	CA	PRO	69	5.288	-7.686	14.697	1.00	0.54	SEG1
ATOM	1022	HA	PRO	69	6.116	-7.018	14.871	1.00	0.53	SEG1
ATOM	1023	CB	PRO	69	5.649	-9.089	15.170	1.00	0.60	SEG1
ATOM	1024	HB1	PRO	69	6.420	-9.043	15.922	1.00	0.63	SEG1
ATOM	1025	HB2	PRO	69	5.974	-9.691	14.333	1.00	0.60	SEG1
ATOM	1026	CG	PRO	69	4.393	-9.652	15.760	1.00	0.64	SEG1
ATOM	1027	HG1	PRO	69	4.631	-10.242	16.631	1.00	0.69	SEG1
ATOM	1028	HG2	PRO	69	3.889	-10.267	15.027	1.00	0.64	SEG1
ATOM	1029	CD	PRO	69	3.503	-8.498	16.160	1.00	0.62	SEG1
ATOM	1030	HD2	PRO	69	2.509	-8.648	15.769	1.00	0.62	SEG1
ATOM	1031	HD1	PRO	69	3.477	-8.395	17.234	1.00	0.67	SEG1
ATOM	1032	C	PRO	69	4.905	-7.692	13.206	1.00	0.51	SEG1
ATOM	1033	O	PRO	69	5.179	-8.639	12.494	1.00	0.71	SEG1
ATOM	1034	N	GLN	70	4.290	-6.636	12.729	1.00	0.39	SEG1
ATOM	1035	HN	GLN	70	4.095	-5.881	13.315	1.00	0.48	SEG1
ATOM	1036	CA	GLN	70	3.901	-6.556	11.289	1.00	0.34	SEG1
ATOM	1037	HA	GLN	70	4.557	-7.162	10.678	1.00	0.34	SEG1
ATOM	1038	CB	GLN	70	2.465	-7.086	11.214	1.00	0.37	SEG1
ATOM	1039	HB1	GLN	70	2.064	-6.894	10.230	1.00	0.35	SEG1
ATOM	1040	HB2	GLN	70	1.859	-6.583	11.953	1.00	0.40	SEG1
ATOM	1041	CG	GLN	70	2.446	-8.593	11.481	1.00	0.42	SEG1
ATOM	1042	HG1	GLN	70	2.834	-8.790	12.467	1.00	0.45	SEG1
ATOM	1043	HG2	GLN	70	3.054	-9.098	10.747	1.00	0.41	SEG1
ATOM	1044	CD	GLN	70	1.008	-9.109	11.399	1.00	0.47	SEG1
ATOM	1045	OE1	GLN	70	0.070	-8.372	11.633	1.00	0.63	SEG1
ATOM	1046	NE2	GLN	70	0.794	-10.353	11.070	1.00	0.47	SEG1
ATOM	1047	HE21	GLN	70	1.552	-10.946	10.880	1.00	0.53	SEG1
ATOM	1048	HE22	GLN	70	-0.122	-10.695	11.011	1.00	0.51	SEG1
ATOM	1049	C	GLN	70	3.944	-5.090	10.849	1.00	0.31	SEG1
ATOM	1050	O	GLN	70	3.883	-4.195	11.671	1.00	0.36	SEG1
ATOM	1051	N	LEU	71	4.042	-4.831	9.570	1.00	0.28	SEG1
ATOM	1052	HN	LEU	71	4.087	-5.567	8.921	1.00	0.31	SEG1
ATOM	1053	CA	LEU	71	4.081	-3.413	9.097	1.00	0.26	SEG1
ATOM	1054	HA	LEU	71	4.186	-2.741	9.933	1.00	0.25	SEG1
ATOM	1055	CB	LEU	71	5.316	-3.329	8.200	1.00	0.27	SEG1
ATOM	1056	HB1	LEU	71	5.213	-4.021	7.378	1.00	0.29	SEG1
ATOM	1057	HB2	LEU	71	6.196	-3.582	8.776	1.00	0.28	SEG1
ATOM	1058	CG	LEU	71	5.462	-1.908	7.650	1.00	0.27	SEG1
ATOM	1059	HG	LEU	71	4.550	-1.621	7.146	1.00	0.28	SEG1
ATOM	1060	CD1	LEU	71	5.737	-0.936	8.801	1.00	0.28	SEG1
ATOM	1061	HD11	LEU	71	4.801	-0.569	9.194	1.00	1.03	SEG1
ATOM	1062	HD12	LEU	71	6.325	-0.106	8.437	1.00	1.04	SEG1
ATOM	1063	HD13	LEU	71	6.280	-1.447	9.581	1.00	1.09	SEG1
ATOM	1064	CD2	LEU	71	6.628	-1.868	6.663	1.00	0.31	SEG1
ATOM	1065	HD21	LEU	71	6.253	-1.997	5.659	1.00	1.05	SEG1

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ATOM	1066	HD22	LEU	71	7.320	-2.662	6.894	1.00	1.05	SEG1
ATOM	1067	HD23	LEU	71	7.132	-0.917	6.740	1.00	1.09	SEG1
ATOM	1068	C	LEU	71	2.806	-3.091	8.310	1.00	0.25	SEG1
ATOM	1069	O	LEU	71	2.418	-3.825	7.421	1.00	0.27	SEG1
ATOM	1070	N	ILE	72	2.149	-2.005	8.639	1.00	0.23	SEG1
ATOM	1071	HN	ILE	72	2.478	-1.433	9.362	1.00	0.23	SEG1
ATOM	1072	CA	ILE	72	0.892	-1.642	7.917	1.00	0.23	SEG1
ATOM	1073	HA	ILE	72	0.559	-2.464	7.305	1.00	0.25	SEG1
ATOM	1074	CB	ILE	72	-0.139	-1.356	9.017	1.00	0.24	SEG1
ATOM	1075	HB	ILE	72	0.210	-0.540	9.631	1.00	0.24	SEG1
ATOM	1076	CG1	ILE	72	-0.335	-2.600	9.886	1.00	0.27	SEG1
ATOM	1077	HG11	ILE	72	0.624	-2.961	10.222	1.00	0.27	SEG1
ATOM	1078	HG12	ILE	72	-0.829	-3.364	9.312	1.00	0.30	SEG1
ATOM	1079	CG2	ILE	72	-1.481	-0.977	8.384	1.00	0.26	SEG1
ATOM	1080	HG21	ILE	72	-1.631	-1.553	7.483	1.00	1.07	SEG1
ATOM	1081	HG22	ILE	72	-1.481	0.076	8.143	1.00	1.08	SEG1
ATOM	1082	HG23	ILE	72	-2.279	-1.186	9.081	1.00	0.93	SEG1
ATOM	1083	CD1	ILE	72	-1.194	-2.239	11.097	1.00	0.30	SEG1
ATOM	1084	HD11	ILE	72	-0.584	-1.745	11.838	1.00	1.01	SEG1
ATOM	1085	HD12	ILE	72	-1.617	-3.139	11.519	1.00	1.05	SEG1
ATOM	1086	HD13	ILE	72	-1.991	-1.578	10.786	1.00	1.01	SEG1
ATOM	1087	C	ILE	72	1.114	-0.390	7.061	1.00	0.22	SEG1
ATOM	1088	O	ILE	72	1.602	0.618	7.535	1.00	0.22	SEG1
ATOM	1089	N	VAL	73	0.737	-0.446	5.811	1.00	0.23	SEG1
ATOM	1090	HN	VAL	73	0.333	-1.269	5.462	1.00	0.24	SEG1
ATOM	1091	CA	VAL	73	0.895	0.741	4.916	1.00	0.23	SEG1
ATOM	1092	HA	VAL	73	1.357	1.557	5.450	1.00	0.24	SEG1
ATOM	1093	CB	VAL	73	1.799	0.273	3.771	1.00	0.26	SEG1
ATOM	1094	HB	VAL	73	1.328	-0.551	3.255	1.00	1.09	SEG1
ATOM	1095	CG1	VAL	73	2.023	1.427	2.790	1.00	1.38	SEG1
ATOM	1096	HG11	VAL	73	2.971	1.295	2.290	1.00	1.97	SEG1
ATOM	1097	HG12	VAL	73	2.027	2.363	3.329	1.00	2.06	SEG1
ATOM	1098	HG13	VAL	73	1.229	1.436	2.059	1.00	1.87	SEG1
ATOM	1099	CG2	VAL	73	3.150	-0.178	4.334	1.00	1.35	SEG1
ATOM	1100	HG21	VAL	73	3.022	-1.098	4.885	1.00	1.90	SEG1
ATOM	1101	HG22	VAL	73	3.540	0.585	4.991	1.00	1.99	SEG1
ATOM	1102	HG23	VAL	73	3.842	-0.340	3.521	1.00	1.95	SEG1
ATOM	1103	C	VAL	73	-0.483	1.152	4.386	1.00	0.22	SEG1
ATOM	1104	O	VAL	73	-1.230	0.325	3.896	1.00	0.23	SEG1
ATOM	1105	N	GLN	74	-0.833	2.412	4.485	1.00	0.22	SEG1
ATOM	1106	HN	GLN	74	-0.219	3.066	4.891	1.00	0.24	SEG1
ATOM	1107	CA	GLN	74	-2.175	2.849	3.989	1.00	0.22	SEG1
ATOM	1108	HA	GLN	74	-2.902	2.065	4.130	1.00	0.22	SEG1
ATOM	1109	CB	GLN	74	-2.544	4.062	4.843	1.00	0.25	SEG1
ATOM	1110	HB1	GLN	74	-1.839	4.859	4.658	1.00	0.26	SEG1
ATOM	1111	HB2	GLN	74	-2.516	3.793	5.888	1.00	0.26	SEG1
ATOM	1112	CG	GLN	74	-3.952	4.536	4.468	1.00	0.28	SEG1
ATOM	1113	HG1	GLN	74	-4.634	3.699	4.510	1.00	0.28	SEG1
ATOM	1114	HG2	GLN	74	-3.940	4.938	3.466	1.00	0.28	SEG1
ATOM	1115	CD	GLN	74	-4.419	5.618	5.447	1.00	0.35	SEG1
ATOM	1116	OE1	GLN	74	-3.790	5.858	6.459	1.00	0.45	SEG1
ATOM	1117	NE2	GLN	74	-5.513	6.281	5.189	1.00	0.49	SEG1
ATOM	1118	HE21	GLN	74	-6.026	6.083	4.377	1.00	0.62	SEG1
ATOM	1119	HE22	GLN	74	-5.823	6.976	5.806	1.00	0.55	SEG1
ATOM	1120	C	GLN	74	-2.091	3.243	2.513	1.00	0.23	SEG1
ATOM	1121	O	GLN	74	-1.270	4.053	2.130	1.00	0.26	SEG1
ATOM	1122	N	LEU	75	-2.936	2.678	1.683	1.00	0.22	SEG1
ATOM	1123	HN	LEU	75	-3.589	2.029	2.018	1.00	0.22	SEG1
ATOM	1124	CA	LEU	75	-2.905	3.023	0.229	1.00	0.24	SEG1
ATOM	1125	HA	LEU	75	-2.012	3.580	-0.002	1.00	0.27	SEG1
ATOM	1126	CB	LEU	75	-2.884	1.681	-0.516	1.00	0.24	SEG1
ATOM	1127	HB1	LEU	75	-2.825	1.861	-1.580	1.00	0.30	SEG1
ATOM	1128	HB2	LEU	75	-3.792	1.138	-0.296	1.00	0.28	SEG1
ATOM	1129	CG	LEU	75	-1.673	0.841	-0.080	1.00	0.27	SEG1
ATOM	1130	HG	LEU	75	-1.797	0.552	0.954	1.00	0.62	SEG1
ATOM	1131	CD1	LEU	75	-1.597	-0.414	-0.948	1.00	0.68	SEG1
ATOM	1132	HD11	LEU	75	-1.949	-0.184	-1.943	1.00	1.14	SEG1
ATOM	1133	HD12	LEU	75	-2.214	-1.187	-0.517	1.00	1.42	SEG1
ATOM	1134	HD13	LEU	75	-0.574	-0.755	-0.998	1.00	1.28	SEG1
ATOM	1135	CD2	LEU	75	-0.372	1.642	-0.241	1.00	0.52	SEG1
ATOM	1136	HD21	LEU	75	-0.490	2.365	-1.035	1.00	1.19	SEG1
ATOM	1137	HD22	LEU	75	0.437	0.970	-0.484	1.00	1.30	SEG1
ATOM	1138	HD23	LEU	75	-0.147	2.154	0.684	1.00	1.09	SEG1
ATOM	1139	C	LEU	75	-4.152	3.830	-0.150	1.00	0.25	SEG1
ATOM	1140	O	LEU	75	-5.206	3.672	0.436	1.00	0.26	SEG1
ATOM	1141	N	ARG	76	-4.034	4.693	-1.127	1.00	0.29	SEG1
ATOM	1142	HN	ARG	76	-3.171	4.798	-1.580	1.00	0.32	SEG1

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ATOM	1143	CA	ARG	76	-5.203	5.520	-1.557	1.00	0.32	SEG1
ATOM	1144	HA	ARG	76	-6.060	5.318	-0.935	1.00	0.32	SEG1
ATOM	1145	CB	ARG	76	-4.748	6.970	-1.372	1.00	0.37	SEG1
ATOM	1146	HB1	ARG	76	-3.882	7.157	-1.989	1.00	0.64	SEG1
ATOM	1147	HB2	ARG	76	-4.494	7.138	-0.335	1.00	0.71	SEG1
ATOM	1148	CG	ARG	76	-5.876	7.920	-1.781	1.00	0.83	SEG1
ATOM	1149	HG1	ARG	76	-6.743	7.735	-1.164	1.00	1.20	SEG1
ATOM	1150	HG2	ARG	76	-6.130	7.750	-2.817	1.00	1.15	SEG1
ATOM	1151	CD	ARG	76	-5.423	9.370	-1.597	1.00	0.84	SEG1
ATOM	1152	HD1	ARG	76	-4.576	9.583	-2.230	1.00	1.07	SEG1
ATOM	1153	HD2	ARG	76	-5.177	9.558	-0.560	1.00	1.13	SEG1
ATOM	1154	NE	ARG	76	-6.597	10.197	-2.018	1.00	1.21	SEG1
ATOM	1155	HE	ARG	76	-7.484	9.782	-2.069	1.00	1.76	SEG1
ATOM	1156	CZ	ARG	76	-6.467	11.473	-2.321	1.00	1.51	SEG1
ATOM	1157	NH1	ARG	76	-7.523	12.150	-2.683	1.00	2.15	SEG1
ATOM	1158	HH11	ARG	76	-8.415	11.700	-2.726	1.00	2.53	SEG1
ATOM	1159	HH12	ARG	76	-7.440	13.119	-2.917	1.00	2.50	SEG1
ATOM	1160	NH2	ARG	76	-5.302	12.078	-2.268	1.00	1.85	SEG1
ATOM	1161	HH21	ARG	76	-4.483	11.576	-1.994	1.00	1.91	SEG1
ATOM	1162	HH22	ARG	76	-5.235	13.048	-2.505	1.00	2.40	SEG1
ATOM	1163	C	ARG	76	-5.526	5.241	-3.029	1.00	0.32	SEG1
ATOM	1164	O	ARG	76	-4.637	5.099	-3.845	1.00	0.37	SEG1
ATOM	1165	N	PHE	77	-6.790	5.165	-3.376	1.00	0.32	SEG1
ATOM	1166	HN	PHE	77	-7.492	5.289	-2.701	1.00	0.34	SEG1
ATOM	1167	CA	PHE	77	-7.160	4.895	-4.800	1.00	0.34	SEG1
ATOM	1168	HA	PHE	77	-6.278	4.660	-5.377	1.00	0.34	SEG1
ATOM	1169	CB	PHE	77	-8.093	3.683	-4.759	1.00	0.35	SEG1
ATOM	1170	HB1	PHE	77	-8.486	3.502	-5.746	1.00	0.38	SEG1
ATOM	1171	HB2	PHE	77	-8.908	3.872	-4.076	1.00	0.38	SEG1
ATOM	1172	CG	PHE	77	-7.324	2.467	-4.306	1.00	0.34	SEG1
ATOM	1173	CD1	PHE	77	-6.691	1.653	-5.253	1.00	1.33	SEG1
ATOM	1174	HD1	PHE	77	-6.750	1.900	-6.303	1.00	2.22	SEG1
ATOM	1175	CD2	PHE	77	-7.248	2.149	-2.946	1.00	1.14	SEG1
ATOM	1176	HD2	PHE	77	-7.737	2.778	-2.216	1.00	2.04	SEG1
ATOM	1177	CE1	PHE	77	-5.981	0.521	-4.839	1.00	1.37	SEG1
ATOM	1178	HE1	PHE	77	-5.493	-0.107	-5.570	1.00	2.28	SEG1
ATOM	1179	CE2	PHE	77	-6.537	1.017	-2.531	1.00	1.13	SEG1
ATOM	1180	HE2	PHE	77	-6.478	0.772	-1.480	1.00	2.01	SEG1
ATOM	1181	CZ	PHE	77	-5.904	0.203	-3.477	1.00	0.45	SEG1
ATOM	1182	HZ	PHE	77	-5.356	-0.671	-3.157	1.00	0.53	SEG1
ATOM	1183	C	PHE	77	-7.881	6.105	-5.399	1.00	0.41	SEG1
ATOM	1184	O	PHE	77	-8.479	6.894	-4.693	1.00	0.45	SEG1
ATOM	1185	N	CYS	78	-7.815	6.257	-6.696	1.00	0.48	SEG1
ATOM	1186	HN	CYS	78	-7.319	5.608	-7.233	1.00	0.52	SEG1
ATOM	1187	CA	CYS	78	-8.484	7.423	-7.356	1.00	0.55	SEG1
ATOM	1188	HA	CYS	78	-9.355	7.722	-6.795	1.00	0.58	SEG1
ATOM	1189	CB	CYS	78	-7.438	8.538	-7.320	1.00	0.65	SEG1
ATOM	1190	HB1	CYS	78	-6.626	8.291	-7.989	1.00	0.80	SEG1
ATOM	1191	HB2	CYS	78	-7.056	8.641	-6.315	1.00	0.92	SEG1
ATOM	1192	SG	CYS	78	-8.194	10.098	-7.840	1.00	1.03	SEG1
ATOM	1193	HG	CYS	78	-9.034	9.895	-8.259	1.00	1.50	SEG1
ATOM	1194	C	CYS	78	-8.869	7.094	-8.807	1.00	0.53	SEG1
ATOM	1195	O	CYS	78	-9.898	7.525	-9.293	1.00	0.60	SEG1
ATOM	1196	N	GLY	79	-8.051	6.342	-9.499	1.00	0.50	SEG1
ATOM	1197	HN	GLY	79	-7.232	6.011	-9.087	1.00	0.52	SEG1
ATOM	1198	CA	GLY	79	-8.359	5.990	-10.917	1.00	0.52	SEG1
ATOM	1199	HA1	GLY	79	-7.461	6.072	-11.510	1.00	0.57	SEG1
ATOM	1200	HA2	GLY	79	-9.106	6.671	-11.300	1.00	0.57	SEG1
ATOM	1201	C	GLY	79	-8.887	4.557	-10.998	1.00	0.44	SEG1
ATOM	1202	O	GLY	79	-8.355	3.654	-10.379	1.00	0.39	SEG1
ATOM	1203	N	ARG	80	-9.926	4.344	-11.762	1.00	0.48	SEG1
ATOM	1204	HN	ARG	80	-10.329	5.093	-12.252	1.00	0.54	SEG1
ATOM	1205	CA	ARG	80	-10.498	2.968	-11.900	1.00	0.47	SEG1
ATOM	1206	HA	ARG	80	-10.700	2.549	-10.927	1.00	0.46	SEG1
ATOM	1207	CB	ARG	80	-11.810	3.158	-12.668	1.00	0.57	SEG1
ATOM	1208	HB1	ARG	80	-11.602	3.592	-13.634	1.00	1.05	SEG1
ATOM	1209	HB2	ARG	80	-12.461	3.816	-12.110	1.00	1.00	SEG1
ATOM	1210	CG	ARG	80	-12.497	1.804	-12.859	1.00	1.37	SEG1
ATOM	1211	HG1	ARG	80	-12.708	1.367	-11.894	1.00	1.87	SEG1
ATOM	1212	HG2	ARG	80	-11.846	1.147	-13.417	1.00	1.95	SEG1
ATOM	1213	CD	ARG	80	-13.806	1.999	-13.626	1.00	1.53	SEG1
ATOM	1214	HD1	ARG	80	-13.604	2.294	-14.644	1.00	1.92	SEG1
ATOM	1215	HD2	ARG	80	-14.421	2.740	-13.134	1.00	1.71	SEG1
ATOM	1216	NE	ARG	80	-14.477	0.662	-13.605	1.00	2.30	SEG1
ATOM	1217	HE	ARG	80	-14.158	-0.027	-12.984	1.00	2.85	SEG1
ATOM	1218	CZ	ARG	80	-15.495	0.392	-14.397	1.00	2.84	SEG1
ATOM	1219	NH1	ARG	80	-16.058	-0.783	-14.331	1.00	3.87	SEG1

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ATOM	1220	HH11	ARG	80	-15.716	-1.465	-13.685	1.00	4.32	SEG1
ATOM	1221	HH12	ARG	80	-16.832	-1.001	-14.926	1.00	4.40	SEG1
ATOM	1222	NH2	ARG	80	-15.953	1.276	-15.255	1.00	2.85	SEG1
ATOM	1223	HH21	ARG	80	-15.533	2.181	-15.325	1.00	2.56	SEG1
ATOM	1224	HH22	ARG	80	-16.729	1.042	-15.843	1.00	3.51	SEG1
ATOM	1225	C	ARG	80	-9.537	2.062	-12.685	1.00	0.43	SEG1
ATOM	1226	O	ARG	80	-9.369	0.900	-12.366	1.00	0.41	SEG1
ATOM	1227	N	GLN	81	-8.919	2.584	-13.715	1.00	0.45	SEG1
ATOM	1228	HN	GLN	81	-9.082	3.521	-13.954	1.00	0.50	SEG1
ATOM	1229	CA	GLN	81	-7.978	1.757	-14.538	1.00	0.45	SEG1
ATOM	1230	HA	GLN	81	-8.518	0.952	-15.012	1.00	0.47	SEG1
ATOM	1231	CB	GLN	81	-7.437	2.708	-15.611	1.00	0.51	SEG1
ATOM	1232	HB1	GLN	81	-6.520	2.310	-16.019	1.00	0.53	SEG1
ATOM	1233	HB2	GLN	81	-7.248	3.676	-15.172	1.00	0.51	SEG1
ATOM	1234	CG	GLN	81	-8.474	2.849	-16.729	1.00	0.57	SEG1
ATOM	1235	HG1	GLN	81	-9.329	3.394	-16.358	1.00	0.93	SEG1
ATOM	1236	HG2	GLN	81	-8.787	1.867	-17.054	1.00	1.00	SEG1
ATOM	1237	CD	GLN	81	-7.863	3.607	-17.909	1.00	1.27	SEG1
ATOM	1238	OE1	GLN	81	-6.983	4.425	-17.732	1.00	1.91	SEG1
ATOM	1239	NE2	GLN	81	-8.299	3.368	-19.116	1.00	2.02	SEG1
ATOM	1240	HE21	GLN	81	-9.010	2.708	-19.259	1.00	2.34	SEG1
ATOM	1241	HE22	GLN	81	-7.917	3.849	-19.880	1.00	2.61	SEG1
ATOM	1242	C	GLN	81	-6.834	1.182	-13.678	1.00	0.41	SEG1
ATOM	1243	O	GLN	81	-6.637	-0.018	-13.664	1.00	0.40	SEG1
ATOM	1244	N	PRO	82	-6.113	2.035	-12.975	1.00	0.40	SEG1
ATOM	1245	CA	PRO	82	-5.002	1.541	-12.119	1.00	0.39	SEG1
ATOM	1246	HA	PRO	82	-4.301	0.972	-12.709	1.00	0.41	SEG1
ATOM	1247	CB	PRO	82	-4.332	2.818	-11.614	1.00	0.42	SEG1
ATOM	1248	HB1	PRO	82	-3.488	3.078	-12.233	1.00	0.47	SEG1
ATOM	1249	HB2	PRO	82	-4.023	2.698	-10.584	1.00	0.42	SEG1
ATOM	1250	CG	PRO	82	-5.382	3.868	-11.719	1.00	0.43	SEG1
ATOM	1251	HG1	PRO	82	-4.921	4.825	-11.895	1.00	0.47	SEG1
ATOM	1252	HG2	PRO	82	-5.973	3.894	-10.814	1.00	0.41	SEG1
ATOM	1253	CD	PRO	82	-6.244	3.499	-12.896	1.00	0.44	SEG1
ATOM	1254	HD2	PRO	82	-7.265	3.790	-12.715	1.00	0.45	SEG1
ATOM	1255	HD1	PRO	82	-5.868	3.956	-13.798	1.00	0.48	SEG1
ATOM	1256	C	PRO	82	-5.539	0.688	-10.964	1.00	0.35	SEG1
ATOM	1257	O	PRO	82	-4.823	-0.122	-10.404	1.00	0.38	SEG1
ATOM	1258	N	CYS	83	-6.793	0.847	-10.614	1.00	0.31	SEG1
ATOM	1259	HN	CYS	83	-7.356	1.496	-11.086	1.00	0.32	SEG1
ATOM	1260	CA	CYS	83	-7.370	0.024	-9.507	1.00	0.30	SEG1
ATOM	1261	HA	CYS	83	-6.782	0.134	-8.608	1.00	0.31	SEG1
ATOM	1262	CB	CYS	83	-8.783	0.568	-9.282	1.00	0.34	SEG1
ATOM	1263	HB1	CYS	83	-9.409	0.301	-10.121	1.00	0.66	SEG1
ATOM	1264	HB2	CYS	83	-8.745	1.643	-9.188	1.00	0.77	SEG1
ATOM	1265	SG	CYS	83	-9.469	-0.147	-7.767	1.00	0.99	SEG1
ATOM	1266	HG	CYS	83	-10.419	-0.228	-7.881	1.00	1.67	SEG1
ATOM	1267	C	CYS	83	-7.422	-1.444	-9.938	1.00	0.29	SEG1
ATOM	1268	O	CYS	83	-7.020	-2.331	-9.209	1.00	0.28	SEG1
ATOM	1269	N	GLY	84	-7.908	-1.700	-11.129	1.00	0.30	SEG1
ATOM	1270	HN	GLY	84	-8.216	-0.962	-11.696	1.00	0.32	SEG1
ATOM	1271	CA	GLY	84	-7.984	-3.104	-11.635	1.00	0.31	SEG1
ATOM	1272	HA1	GLY	84	-8.409	-3.109	-12.627	1.00	0.33	SEG1
ATOM	1273	HA2	GLY	84	-8.606	-3.691	-10.973	1.00	0.31	SEG1
ATOM	1274	C	GLY	84	-6.579	-3.706	-11.684	1.00	0.30	SEG1
ATOM	1275	O	GLY	84	-6.374	-4.861	-11.358	1.00	0.30	SEG1
ATOM	1276	N	ARG	85	-5.609	-2.928	-12.090	1.00	0.31	SEG1
ATOM	1277	HN	ARG	85	-5.804	-2.002	-12.347	1.00	0.32	SEG1
ATOM	1278	CA	ARG	85	-4.209	-3.444	-12.158	1.00	0.32	SEG1
ATOM	1279	HA	ARG	85	-4.174	-4.358	-12.731	1.00	0.34	SEG1
ATOM	1280	CB	ARG	85	-3.404	-2.351	-12.866	1.00	0.35	SEG1
ATOM	1281	HB1	ARG	85	-2.351	-2.578	-12.797	1.00	0.70	SEG1
ATOM	1282	HB2	ARG	85	-3.600	-1.398	-12.396	1.00	0.87	SEG1
ATOM	1283	CG	ARG	85	-3.814	-2.286	-14.339	1.00	0.87	SEG1
ATOM	1284	HG1	ARG	85	-4.866	-2.058	-14.411	1.00	1.41	SEG1
ATOM	1285	HG2	ARG	85	-3.618	-3.239	-14.810	1.00	1.40	SEG1
ATOM	1286	CD	ARG	85	-3.009	-1.193	-15.048	1.00	1.12	SEG1
ATOM	1287	HD1	ARG	85	-1.958	-1.439	-15.049	1.00	1.59	SEG1
ATOM	1288	HD2	ARG	85	-3.174	-0.237	-14.569	1.00	1.64	SEG1
ATOM	1289	NE	ARG	85	-3.530	-1.173	-16.451	1.00	1.63	SEG1
ATOM	1290	HE	ARG	85	-4.064	-1.928	-16.777	1.00	2.16	SEG1
ATOM	1291	CZ	ARG	85	-3.292	-0.158	-17.259	1.00	2.06	SEG1
ATOM	1292	NH1	ARG	85	-3.780	-0.179	-18.469	1.00	2.88	SEG1
ATOM	1293	HH11	ARG	85	-4.327	-0.959	-18.773	1.00	3.33	SEG1
ATOM	1294	HH12	ARG	85	-3.608	0.584	-19.091	1.00	3.28	SEG1
ATOM	1295	NH2	ARG	85	-2.572	0.873	-16.877	1.00	2.26	SEG1
ATOM	1296	HH21	ARG	85	-2.186	0.908	-15.956	1.00	2.26	SEG1

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ATOM	1297	HH22	ARG	85	-2.411	.628	-17.513	1.00	2.81	SEG1
ATOM	1298	C	ARG	85	-3.672	-5.680	-10.741	1.00	0.29	SEG1
ATOM	1299	O	ARG	85	-2.915	-4.600	-10.501	1.00	0.29	SEG1
ATOM	1300	N	PHE	86	-4.055	-3.843	-9.808	1.00	0.27	SEG1
ATOM	1301	HN	PHE	86	-4.661	-2.106	-10.038	1.00	0.28	SEG1
ATOM	1302	CA	PHE	86	-3.563	-2.999	-8.400	1.00	0.26	SEG1
ATOM	1303	HA	PHE	86	-2.493	-2.880	-8.360	1.00	0.28	SEG1
ATOM	1304	CB	PHE	86	-4.245	-1.859	-7.626	1.00	0.27	SEG1
ATOM	1305	HB1	PHE	86	-5.317	-1.950	-7.727	1.00	0.28	SEG1
ATOM	1306	HB2	PHE	86	-3.927	-0.911	-8.034	1.00	0.28	SEG1
ATOM	1307	CG	PHE	86	-3.875	-1.918	-6.159	1.00	0.25	SEG1
ATOM	1308	CD1	PHE	86	-4.611	-2.735	-5.292	1.00	1.23	SEG1
ATOM	1309	HD1	PHE	86	-5.430	-3.327	-5.675	1.00	2.16	SEG1
ATOM	1310	CD2	PHE	86	-2.813	-1.149	-5.663	1.00	1.24	SEG1
ATOM	1311	HD2	PHE	86	-2.242	-0.517	-6.330	1.00	2.17	SEG1
ATOM	1312	CE1	PHE	86	-4.286	-2.788	-3.932	1.00	1.23	SEG1
ATOM	1313	HE1	PHE	86	-4.855	-3.420	-3.265	1.00	2.16	SEG1
ATOM	1314	CE2	PHE	86	-2.488	-1.203	-4.300	1.00	1.24	SEG1
ATOM	1315	HE2	PHE	86	-1.671	-0.609	-3.914	1.00	2.17	SEG1
ATOM	1316	CZ	PHE	86	-3.225	-2.022	-3.435	1.00	0.26	SEG1
ATOM	1317	HZ	PHE	86	-2.974	-2.063	-2.385	1.00	0.28	SEG1
ATOM	1318	C	PHE	86	-3.973	-4.364	-7.822	1.00	0.25	SEG1
ATOM	1319	O	PHE	86	-3.152	-5.079	-7.278	1.00	0.27	SEG1
ATOM	1320	N	LEU	87	-5.229	-4.726	-7.926	1.00	0.25	SEG1
ATOM	1321	HN	LEU	87	-5.875	-4.131	-8.358	1.00	0.25	SEG1
ATOM	1322	CA	LEU	87	-5.673	-6.045	-7.366	1.00	0.25	SEG1
ATOM	1323	HA	LEU	87	-5.279	-6.160	-6.369	1.00	0.26	SEG1
ATOM	1324	CB	LEU	87	-7.210	-5.988	-7.297	1.00	0.26	SEG1
ATOM	1325	HB1	LEU	87	-7.506	-5.182	-6.641	1.00	0.27	SEG1
ATOM	1326	HB2	LEU	87	-7.580	-6.922	-6.899	1.00	0.28	SEG1
ATOM	1327	CG	LEU	87	-7.818	-5.758	-8.685	1.00	0.28	SEG1
ATOM	1328	HG	LEU	87	-7.108	-5.253	-9.314	1.00	0.28	SEG1
ATOM	1329	CD1	LEU	87	-8.194	-7.100	-9.314	1.00	0.32	SEG1
ATOM	1330	HD11	LEU	87	-9.169	-7.402	-8.963	1.00	1.08	SEG1
ATOM	1331	HD12	LEU	87	-7.465	-7.846	-9.036	1.00	1.03	SEG1
ATOM	1332	HD13	LEU	87	-8.215	-7.000	-10.389	1.00	1.05	SEG1
ATOM	1333	CD2	LEU	87	-9.078	-4.897	-8.551	1.00	0.30	SEG1
ATOM	1334	HD21	LEU	87	-8.798	-3.887	-8.293	1.00	1.03	SEG1
ATOM	1335	HD22	LEU	87	-9.711	-5.304	-7.778	1.00	1.02	SEG1
ATOM	1336	HD23	LEU	87	-9.612	-4.893	-9.490	1.00	1.08	SEG1
ATOM	1337	C	LEU	87	-5.191	-7.214	-8.241	1.00	0.25	SEG1
ATOM	1338	O	LEU	87	-4.769	-8.240	-7.732	1.00	0.27	SEG1
ATOM	1339	N	ARG	88	-5.240	-7.072	-9.544	1.00	0.26	SEG1
ATOM	1340	HN	ARG	88	-5.573	-6.239	-9.934	1.00	0.26	SEG1
ATOM	1341	CA	ARG	88	-4.777	-8.183	-10.434	1.00	0.27	SEG1
ATOM	1342	HA	ARG	88	-5.320	-9.088	-10.219	1.00	0.28	SEG1
ATOM	1343	CB	ARG	88	-5.079	-7.716	-11.860	1.00	0.29	SEG1
ATOM	1344	HB1	ARG	88	-4.464	-6.862	-12.099	1.00	0.79	SEG1
ATOM	1345	HB2	ARG	88	-6.122	-7.443	-11.936	1.00	0.79	SEG1
ATOM	1346	CG	ARG	88	-4.774	-8.850	-12.841	1.00	1.08	SEG1
ATOM	1347	HG1	ARG	88	-5.390	-9.705	-12.604	1.00	1.57	SEG1
ATOM	1348	HG2	ARG	88	-3.732	-9.123	-12.761	1.00	1.56	SEG1
ATOM	1349	CD	ARG	88	-5.075	-8.391	-14.270	1.00	1.09	SEG1
ATOM	1350	HD1	ARG	88	-4.345	-7.665	-14.593	1.00	1.19	SEG1
ATOM	1351	HD2	ARG	88	-6.072	-7.977	-14.328	1.00	1.44	SEG1
ATOM	1352	NE	ARG	88	-4.972	-9.628	-15.109	1.00	2.05	SEG1
ATOM	1353	HE	ARG	88	-4.837	-10.496	-14.674	1.00	2.70	SEG1
ATOM	1354	CZ	ARG	88	-5.058	-9.575	-16.423	1.00	2.54	SEG1
ATOM	1355	NH1	ARG	88	-4.962	-10.680	-17.111	1.00	3.60	SEG1
ATOM	1356	HH11	ARG	88	-4.825	-11.552	-16.640	1.00	4.10	SEG1
ATOM	1357	HH12	ARG	88	-5.026	-10.655	-18.108	1.00	4.07	SEG1
ATOM	1358	NH2	ARG	88	-5.240	-8.439	-17.056	1.00	2.48	SEG1
ATOM	1359	HH21	ARG	88	-5.318	-7.583	-16.548	1.00	2.17	SEG1
ATOM	1360	HH22	ARG	88	-5.301	-8.432	-18.054	1.00	3.15	SEG1
ATOM	1361	C	ARG	88	-3.278	-8.413	-10.244	1.00	0.28	SEG1
ATOM	1362	O	ARG	88	-2.823	-9.536	-10.140	1.00	0.30	SEG1
ATOM	1363	N	ALA	89	-2.514	-7.354	-10.182	1.00	0.29	SEG1
ATOM	1364	HN	ALA	89	-2.912	-6.461	-10.258	1.00	0.29	SEG1
ATOM	1365	CA	ALA	89	-1.041	-7.500	-9.980	1.00	0.31	SEG1
ATOM	1366	HA	ALA	89	-0.633	-8.202	-10.690	1.00	0.33	SEG1
ATOM	1367	CB	ALA	89	-0.457	-6.110	-10.226	1.00	0.35	SEG1
ATOM	1368	HB1	ALA	89	0.588	-6.201	-10.481	1.00	1.03	SEG1
ATOM	1369	HB2	ALA	89	-0.560	-5.513	-9.331	1.00	1.04	SEG1
ATOM	1370	HB3	ALA	89	-0.986	-5.635	-11.039	1.00	1.09	SEG1
ATOM	1371	C	ALA	89	-0.750	-7.957	-8.549	1.00	0.30	SEG1
ATOM	1372	O	ALA	89	0.284	-8.537	-8.273	1.00	0.31	SEG1
ATOM	1373	N	TYR	90	-1.651	-7.689	-7.634	1.00	0.30	SEG1

ATOM	1374	HN	TYR	90	-2.471	-7.213	-7.[illegible]81	1.00	0.30	SEG1
ATOM	1375	CA	TYR	90	-1.427	-8.096	-6.114	1.00	0.31	SEG1
ATOM	1376	HA	TYR	90	-0.554	-7.599	-5.819	1.00	0.34	SEG1
ATOM	1377	CB	TYR	90	-2.676	-7.634	-5.458	1.00	0.33	SEG1
ATOM	1378	HB1	TYR	90	-3.544	-8.133	-5.859	1.00	0.41	SEG1
ATOM	1379	HB2	TYR	90	-2.790	-6.565	-5.572	1.00	0.34	SEG1
ATOM	1380	CG	TYR	90	-2.535	-7.972	-3.994	1.00	0.44	SEG1
ATOM	1381	CD1	TYR	90	-1.951	-7.050	-3.117	1.00	1.36	SEG1
ATOM	1382	HD1	TYR	90	-1.603	-6.097	-3.488	1.00	2.21	SEG1
ATOM	1383	CD2	TYR	90	-2.984	-9.207	-3.514	1.00	1.28	SEG1
ATOM	1384	HD2	TYR	90	-3.436	-9.918	-4.191	1.00	2.18	SEG1
ATOM	1385	CE1	TYR	90	-1.818	-7.363	-1.761	1.00	1.49	SEG1
ATOM	1386	HE1	TYR	90	-1.367	-6.653	-1.084	1.00	2.40	SEG1
ATOM	1387	CE2	TYR	90	-2.850	-9.520	-2.158	1.00	1.32	SEG1
ATOM	1388	HE2	TYR	90	-3.192	-10.475	-1.788	1.00	2.17	SEG1
ATOM	1389	CZ	TYR	90	-2.266	-8.597	-1.282	1.00	0.83	SEG1
ATOM	1390	OH	TYR	90	-2.139	-8.902	0.055	1.00	1.04	SEG1
ATOM	1391	HH	TYR	90	-1.881	-9.824	0.126	1.00	1.37	SEG1
ATOM	1392	C	TYR	90	-1.263	-9.617	-6.114	1.00	0.31	SEG1
ATOM	1393	O	TYR	90	-0.349	-10.104	-5.475	1.00	0.33	SEG1
ATOM	1394	N	ARG	91	-2.138	-10.373	-6.741	1.00	0.31	SEG1
ATOM	1395	HN	ARG	91	-2.868	-9.958	-7.252	1.00	0.32	SEG1
ATOM	1396	CA	ARG	91	-2.015	-11.866	-6.674	1.00	0.34	SEG1
ATOM	1397	HA	ARG	91	-2.099	-12.206	-5.657	1.00	0.38	SEG1
ATOM	1398	CB	ARG	91	-3.175	-12.418	-7.509	1.00	0.39	SEG1
ATOM	1399	HB1	ARG	91	-3.089	-12.066	-8.525	1.00	0.91	SEG1
ATOM	1400	HB2	ARG	91	-4.111	-12.081	-7.087	1.00	0.81	SEG1
ATOM	1401	CG	ARG	91	-3.130	-13.950	-7.493	1.00	1.12	SEG1
ATOM	1402	HG1	ARG	91	-3.219	-14.301	-6.475	1.00	1.64	SEG1
ATOM	1403	HG2	ARG	91	-2.190	-14.285	-7.908	1.00	1.67	SEG1
ATOM	1404	CD	ARG	91	-4.287	-14.512	-8.325	1.00	1.16	SEG1
ATOM	1405	HD1	ARG	91	-4.191	-14.204	-9.355	1.00	1.49	SEG1
ATOM	1406	HD2	ARG	91	-5.235	-14.185	-7.920	1.00	1.29	SEG1
ATOM	1407	NE	ARG	91	-4.160	-16.002	-8.224	1.00	2.06	SEG1
ATOM	1408	HE	ARG	91	-3.413	-16.391	-7.720	1.00	2.61	SEG1
ATOM	1409	CZ	ARG	91	-5.036	-16.806	-8.796	1.00	2.58	SEG1
ATOM	1410	NH1	ARG	91	-4.891	-18.097	-8.674	1.00	3.56	SEG1
ATOM	1411	HH11	ARG	91	-4.124	-18.466	-8.151	1.00	4.00	SEG1
ATOM	1412	HH12	ARG	91	-5.549	-18.716	-9.103	1.00	4.01	SEG1
ATOM	1413	NH2	ARG	91	-6.050	-16.338	-9.487	1.00	2.55	SEG1
ATOM	1414	HH21	ARG	91	-6.180	-15.354	-9.595	1.00	2.26	SEG1
ATOM	1415	HH22	ARG	91	-6.698	-16.973	-9.908	1.00	3.16	SEG1
ATOM	1416	C	ARG	91	-0.668	-12.297	-7.258	1.00	0.32	SEG1
ATOM	1417	O	ARG	91	-0.004	-13.170	-6.730	1.00	0.33	SEG1
ATOM	1418	N	GLU	92	-0.251	-11.671	-8.328	1.00	0.30	SEG1
ATOM	1419	HN	GLU	92	-0.802	-10.957	-8.721	1.00	0.31	SEG1
ATOM	1420	CA	GLU	92	1.070	-12.021	-8.933	1.00	0.32	SEG1
ATOM	1421	HA	GLU	92	1.090	-13.061	-9.213	1.00	0.34	SEG1
ATOM	1422	CB	GLU	92	1.201	-11.139	-10.177	1.00	0.38	SEG1
ATOM	1423	HB1	GLU	92	2.205	-11.212	-10.567	1.00	0.42	SEG1
ATOM	1424	HB2	GLU	92	0.989	-10.112	-9.914	1.00	0.38	SEG1
ATOM	1425	CG	GLU	92	0.206	-11.612	-11.243	1.00	0.42	SEG1
ATOM	1426	HG1	GLU	92	-0.798	-11.545	-10.851	1.00	0.56	SEG1
ATOM	1427	HG2	GLU	92	0.421	-12.638	-11.500	1.00	0.63	SEG1
ATOM	1428	CD	GLU	92	0.317	-10.739	-12.503	1.00	0.87	SEG1
ATOM	1429	OE1	GLU	92	-0.277	-11.108	-13.503	1.00	1.48	SEG1
ATOM	1430	OE2	GLU	92	0.983	-9.715	-12.449	1.00	1.58	SEG1
ATOM	1431	C	GLU	92	2.187	-11.716	-7.931	1.00	0.33	SEG1
ATOM	1432	O	GLU	92	3.138	-12.462	-7.796	1.00	0.35	SEG1
ATOM	1433	N	GLY	93	2.068	-10.618	-7.229	1.00	0.35	SEG1
ATOM	1434	HN	GLY	93	1.289	-10.040	-7.363	1.00	0.35	SEG1
ATOM	1435	CA	GLY	93	3.107	-10.238	-6.226	1.00	0.40	SEG1
ATOM	1436	HA1	GLY	93	2.839	-9.297	-5.770	1.00	0.45	SEG1
ATOM	1437	HA2	GLY	93	4.062	-10.137	-6.722	1.00	0.43	SEG1
ATOM	1438	C	GLY	93	3.208	-11.314	-5.141	1.00	0.37	SEG1
ATOM	1439	O	GLY	93	4.291	-11.691	-4.733	1.00	0.39	SEG1
ATOM	1440	N	ALA	94	2.089	-11.816	-4.671	1.00	0.37	SEG1
ATOM	1441	HN	ALA	94	1.229	-11.498	-5.017	1.00	0.37	SEG1
ATOM	1442	CA	ALA	94	2.125	-12.877	-3.611	1.00	0.41	SEG1
ATOM	1443	HA	ALA	94	2.591	-12.499	-2.714	1.00	0.46	SEG1
ATOM	1444	CB	ALA	94	0.661	-13.227	-3.336	1.00	0.47	SEG1
ATOM	1445	HB1	ALA	94	0.613	-14.032	-2.617	1.00	1.13	SEG1
ATOM	1446	HB2	ALA	94	0.186	-13.536	-4.255	1.00	1.16	SEG1
ATOM	1447	HB3	ALA	94	0.152	-12.361	-2.941	1.00	1.08	SEG1
ATOM	1448	C	ALA	94	2.882	-14.100	-4.134	1.00	0.36	SEG1
ATOM	1449	O	ALA	94	3.673	-14.708	-3.435	1.00	0.39	SEG1
ATOM	1450	N	LEU	95	2.654	-14.446	-5.373	1.00	0.32	SEG1

ATOM	1451	HN	LEU	95	2.023	-13.923	-5.914	1.00	0.31	SEG1
ATOM	1452	CA	LEU	95	3.364	-15.612	-5.978	1.00	0.34	SEG1
ATOM	1453	HA	LEU	95	3.152	-16.510	-5.423	1.00	0.39	SEG1
ATOM	1454	CB	LEU	95	2.804	-15.722	-7.395	1.00	0.35	SEG1
ATOM	1455	HB1	LEU	95	3.329	-16.496	-7.933	1.00	0.40	SEG1
ATOM	1456	HB2	LEU	95	2.926	-14.777	-7.907	1.00	0.33	SEG1
ATOM	1457	CG	LEU	95	1.318	-16.077	-7.312	1.00	0.39	SEG1
ATOM	1458	HG	LEU	95	0.885	-15.596	-6.446	1.00	0.39	SEG1
ATOM	1459	CD1	LEU	95	0.591	-15.596	-8.574	1.00	0.39	SEG1
ATOM	1460	HD11	LEU	95	-0.039	-16.386	-8.955	1.00	1.13	SEG1
ATOM	1461	HD12	LEU	95	1.314	-15.318	-9.326	1.00	1.12	SEG1
ATOM	1462	HD13	LEU	95	-0.020	-14.738	-8.328	1.00	1.04	SEG1
ATOM	1463	CD2	LEU	95	1.170	-17.596	-7.176	1.00	0.55	SEG1
ATOM	1464	HD21	LEU	95	1.790	-18.086	-7.912	1.00	1.27	SEG1
ATOM	1465	HD22	LEU	95	0.137	-17.873	-7.332	1.00	1.12	SEG1
ATOM	1466	HD23	LEU	95	1.478	-17.901	-6.186	1.00	1.12	SEG1
ATOM	1467	C	LEU	95	4.867	-15.330	-5.990	1.00	0.33	SEG1
ATOM	1468	O	LEU	95	5.677	-16.193	-5.713	1.00	0.38	SEG1
ATOM	1469	N	ARG	96	5.235	-14.111	-6.293	1.00	0.32	SEG1
ATOM	1470	HN	ARG	96	4.553	-13.438	-6.497	1.00	0.31	SEG1
ATOM	1471	CA	ARG	96	6.681	-13.734	-6.311	1.00	0.39	SEG1
ATOM	1472	HA	ARG	96	7.212	-14.310	-7.051	1.00	0.43	SEG1
ATOM	1473	CB	ARG	96	6.715	-12.247	-6.679	1.00	0.46	SEG1
ATOM	1474	HB1	ARG	96	6.207	-11.676	-5.917	1.00	1.01	SEG1
ATOM	1475	HB2	ARG	96	6.223	-12.099	-7.629	1.00	0.84	SEG1
ATOM	1476	CG	ARG	96	8.170	-11.783	-6.775	1.00	1.29	SEG1
ATOM	1477	HG1	ARG	96	8.680	-12.356	-7.535	1.00	1.76	SEG1
ATOM	1478	HG2	ARG	96	8.657	-11.934	-5.824	1.00	2.06	SEG1
ATOM	1479	CD	ARG	96	8.216	-10.299	-7.143	1.00	1.52	SEG1
ATOM	1480	HD1	ARG	96	9.233	-9.938	-7.124	1.00	1.96	SEG1
ATOM	1481	HD2	ARG	96	7.599	-9.726	-6.465	1.00	1.67	SEG1
ATOM	1482	NE	ARG	96	7.673	-10.230	-8.534	1.00	2.44	SEG1
ATOM	1483	HE	ARG	96	6.756	-9.913	-8.674	1.00	2.95	SEG1
ATOM	1484	CZ	ARG	96	8.400	-10.582	-9.576	1.00	3.12	SEG1
ATOM	1485	NH1	ARG	96	7.881	-10.497	-10.771	1.00	4.14	SEG1
ATOM	1486	HH11	ARG	96	6.944	-10.169	-10.887	1.00	4.47	SEG1
ATOM	1487	HH12	ARG	96	8.421	-10.762	-11.571	1.00	4.77	SEG1
ATOM	1488	NH2	ARG	96	9.632	-11.019	-9.440	1.00	3.27	SEG1
ATOM	1489	HH21	ARG	96	10.046	-11.094	-8.534	1.00	2.90	SEG1
ATOM	1490	HH22	ARG	96	10.159	-11.279	-10.249	1.00	4.07	SEG1
ATOM	1491	C	ARG	96	7.289	-13.955	-4.922	1.00	0.40	SEG1
ATOM	1492	O	ARG	96	8.434	-14.341	-4.790	1.00	0.46	SEG1
ATOM	1493	N	ALA	97	6.523	-13.714	-3.884	1.00	0.40	SEG1
ATOM	1494	HN	ALA	97	5.603	-13.403	-4.021	1.00	0.38	SEG1
ATOM	1495	CA	ALA	97	7.048	-13.910	-2.495	1.00	0.46	SEG1
ATOM	1496	HA	ALA	97	7.867	-13.237	-2.302	1.00	0.51	SEG1
ATOM	1497	CB	ALA	97	5.874	-13.592	-1.568	1.00	0.52	SEG1
ATOM	1498	HB1	ALA	97	6.194	-13.678	-0.541	1.00	1.09	SEG1
ATOM	1499	HB2	ALA	97	5.071	-14.289	-1.752	1.00	1.19	SEG1
ATOM	1500	HB3	ALA	97	5.530	-12.586	-1.755	1.00	1.12	SEG1
ATOM	1501	C	ALA	97	7.491	-15.361	-2.312	1.00	0.46	SEG1
ATOM	1502	O	ALA	97	8.513	-15.635	-1.711	1.00	0.50	SEG1
ATOM	1503	N	ALA	98	6.739	-16.288	-2.845	1.00	0.46	SEG1
ATOM	1504	HN	ALA	98	5.928	-16.034	-3.337	1.00	0.43	SEG1
ATOM	1505	CA	ALA	98	7.128	-17.728	-2.728	1.00	0.51	SEG1
ATOM	1506	HA	ALA	98	7.177	-18.023	-1.692	1.00	0.56	SEG1
ATOM	1507	CB	ALA	98	6.029	-18.510	-3.452	1.00	0.55	SEG1
ATOM	1508	HB1	ALA	98	6.167	-18.422	-4.520	1.00	1.20	SEG1
ATOM	1509	HB2	ALA	98	5.064	-18.110	-3.180	1.00	1.10	SEG1
ATOM	1510	HB3	ALA	98	6.081	-19.551	-3.167	1.00	1.06	SEG1
ATOM	1511	C	ALA	98	8.484	-17.938	-3.411	1.00	0.52	SEG1
ATOM	1512	O	ALA	98	9.337	-18.652	-2.922	1.00	0.57	SEG1
ATOM	1513	N	LEU	99	8.684	-17.296	-4.536	1.00	0.50	SEG1
ATOM	1514	HN	LEU	99	7.978	-16.717	-4.895	1.00	0.47	SEG1
ATOM	1515	CA	LEU	99	9.983	-17.421	-5.265	1.00	0.55	SEG1
ATOM	1516	HA	LEU	99	10.159	-18.448	-5.546	1.00	0.60	SEG1
ATOM	1517	CB	LEU	99	9.840	-16.549	-6.517	1.00	0.57	SEG1
ATOM	1518	HB1	LEU	99	9.677	-15.524	-6.223	1.00	0.54	SEG1
ATOM	1519	HB2	LEU	99	9.001	-16.895	-7.101	1.00	0.58	SEG1
ATOM	1520	CG	LEU	99	11.118	-16.638	-7.356	1.00	0.66	SEG1
ATOM	1521	HG	LEU	99	11.953	-16.885	-6.717	1.00	0.67	SEG1
ATOM	1522	CD1	LEU	99	10.956	-17.726	-8.419	1.00	0.73	SEG1
ATOM	1523	HD11	LEU	99	11.553	-17.476	-9.284	1.00	1.16	SEG1
ATOM	1524	HD12	LEU	99	9.917	-17.796	-8.708	1.00	1.14	SEG1
ATOM	1525	HD13	LEU	99	11.282	-18.673	-8.017	1.00	1.42	SEG1
ATOM	1526	CD2	LEU	99	11.376	-15.291	-8.036	1.00	0.70	SEG1
ATOM	1527	HD21	LEU	99	12.164	-15.401	-8.767	1.00	1.16	SEG1

FIG. 2 (21 of 35)

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ATOM   1528 HD22 LEU    99      11.673 -14.565  -7.293  1.00  1.32      SEG1
ATOM   1529 HD23 LEU    99      10.474 -14.956  -8.527  1.00  1.12      SEG1
ATOM   1530  C   LEU    99      11.121 -16.906  -4.378  1.00  0.54      SEG1
ATOM   1531  O   LEU    99      12.204 -17.457  -4.362  1.00  0.59      SEG1
ATOM   1532  N   GLN   100      10.881 -15.843  -3.648  1.00  0.50      SEG1
ATOM   1533  HN  GLN   100       9.999 -15.415  -3.686  1.00  0.47      SEG1
ATOM   1534  CA  GLN   100      11.949 -15.274  -2.767  1.00  0.52      SEG1
ATOM   1535  HA  GLN   100      12.788 -14.937  -3.355  1.00  0.57      SEG1
ATOM   1536  CB  GLN   100      11.300 -14.084  -2.049  1.00  0.51      SEG1
ATOM   1537  HB1 GLN   100      11.958 -13.734  -1.269  1.00  0.55      SEG1
ATOM   1538  HB2 GLN   100      10.363 -14.397  -1.614  1.00  0.47      SEG1
ATOM   1539  CG  GLN   100      11.043 -12.947  -3.042  1.00  0.54      SEG1
ATOM   1540  HG1 GLN   100      10.565 -12.126  -2.529  1.00  1.00      SEG1
ATOM   1541  HG2 GLN   100      10.400 -13.301  -3.835  1.00  1.14      SEG1
ATOM   1542  CD  GLN   100      12.369 -12.468  -3.637  1.00  1.30      SEG1
ATOM   1543  OE1 GLN   100      13.079 -11.692  -3.030  1.00  1.83      SEG1
ATOM   1544  NE2 GLN   100      12.739 -12.919  -4.803  1.00  2.26      SEG1
ATOM   1545 HE21 GLN   100      12.169 -13.557  -5.282  1.00  2.51      SEG1
ATOM   1546 HE22 GLN   100      13.583 -12.620  -5.199  1.00  2.99      SEG1
ATOM   1547  C   GLN   100      12.393 -16.320  -1.747  1.00  0.53      SEG1
ATOM   1548  O   GLN   100      13.567 -16.453  -1.455  1.00  0.57      SEG1
ATOM   1549  N   ARG   101      11.464 -17.068  -1.213  1.00  0.51      SEG1
ATOM   1550  HN  ARG   101      10.526 -16.941  -1.475  1.00  0.50      SEG1
ATOM   1551  CA  ARG   101      11.832 -18.118  -0.213  1.00  0.55      SEG1
ATOM   1552  HA  ARG   101      12.287 -17.668   0.656  1.00  0.54      SEG1
ATOM   1553  CB  ARG   101      10.511 -18.789   0.173  1.00  0.58      SEG1
ATOM   1554  HB1 ARG   101      10.061 -19.231  -0.702  1.00  0.62      SEG1
ATOM   1555  HB2 ARG   101       9.841 -18.048   0.587  1.00  0.56      SEG1
ATOM   1556  CG  ARG   101      10.772 -19.878   1.216  1.00  0.64      SEG1
ATOM   1557  HG1 ARG   101      11.219 -19.436   2.094  1.00  0.62      SEG1
ATOM   1558  HG2 ARG   101      11.444 -20.617   0.803  1.00  0.67      SEG1
ATOM   1559  CD  ARG   101       9.450 -20.545   1.601  1.00  0.70      SEG1
ATOM   1560  HD1 ARG   101       9.077 -21.143   0.784  1.00  1.17      SEG1
ATOM   1561  HD2 ARG   101       8.724 -19.797   1.885  1.00  1.21      SEG1
ATOM   1562  NE  ARG   101       9.785 -21.423   2.766  1.00  1.42      SEG1
ATOM   1563  HE  ARG   101      10.714 -21.706   2.902  1.00  1.98      SEG1
ATOM   1564  CZ  ARG   101       8.861 -21.815   3.621  1.00  1.81      SEG1
ATOM   1565  NH1 ARG   101       9.209 -22.561   4.633  1.00  2.84      SEG1
ATOM   1566 HH11 ARG   101      10.165 -22.827   4.753  1.00  3.38      SEG1
ATOM   1567 HH12 ARG   101       8.519 -22.866   5.290  1.00  3.17      SEG1
ATOM   1568  NH2 ARG   101       7.599 -21.479   3.475  1.00  1.50      SEG1
ATOM   1569 HH21 ARG   101       7.310 -20.915   2.704  1.00  1.32      SEG1
ATOM   1570 HH22 ARG   101       6.923 -21.791   4.143  1.00  1.89      SEG1
ATOM   1571  C   ARG   101      12.794 -19.130  -0.855  1.00  0.63      SEG1
ATOM   1572  O   ARG   101      13.839 -19.433  -0.312  1.00  0.66      SEG1
ATOM   1573  N   SER   102      12.450 -19.639  -2.014  1.00  0.67      SEG1
ATOM   1574  HN  SER   102      11.606 -19.368  -2.433  1.00  0.65      SEG1
ATOM   1575  CA  SER   102      13.350 -20.619  -2.703  1.00  0.76      SEG1
ATOM   1576  HA  SER   102      13.558 -21.458  -2.058  1.00  0.81      SEG1
ATOM   1577  CB  SER   102      12.571 -21.083  -3.935  1.00  0.80      SEG1
ATOM   1578  HB1 SER   102      13.223 -21.667  -4.571  1.00  1.16      SEG1
ATOM   1579  HB2 SER   102      12.213 -20.227  -4.482  1.00  1.31      SEG1
ATOM   1580  OG  SER   102      11.462 -21.870  -3.520  1.00  1.48      SEG1
ATOM   1581  HG  SER   102      10.933 -21.343  -2.918  1.00  1.81      SEG1
ATOM   1582  C   SER   102      14.652 -19.929  -3.125  1.00  0.78      SEG1
ATOM   1583  O   SER   102      15.727 -20.489  -3.014  1.00  0.85      SEG1
ATOM   1584  N   LEU   103      14.556 -18.713  -3.599  1.00  0.74      SEG1
ATOM   1585  HN  LEU   103      13.676 -18.287  -3.667  1.00  0.69      SEG1
ATOM   1586  CA  LEU   103      15.779 -17.963  -4.027  1.00  0.79      SEG1
ATOM   1587  HA  LEU   103      16.362 -18.562  -4.710  1.00  0.86      SEG1
ATOM   1588  CB  LEU   103      15.262 -16.712  -4.742  1.00  0.77      SEG1
ATOM   1589  HB1 LEU   103      15.875 -15.865  -4.473  1.00  0.80      SEG1
ATOM   1590  HB2 LEU   103      14.240 -16.525  -4.448  1.00  0.71      SEG1
ATOM   1591  CG  LEU   103      15.328 -16.923  -6.257  1.00  0.83      SEG1
ATOM   1592  HG  LEU   103      16.340 -17.176  -6.532  1.00  0.90      SEG1
ATOM   1593  CD1 LEU   103      14.391 -18.063  -6.668  1.00  0.82      SEG1
ATOM   1594 HD11 LEU   103      13.618 -18.179  -5.926  1.00  1.34      SEG1
ATOM   1595 HD12 LEU   103      14.955 -18.980  -6.746  1.00  1.29      SEG1
ATOM   1596 HD13 LEU   103      13.943 -17.836  -7.623  1.00  1.23      SEG1
ATOM   1597  CD2 LEU   103      14.909 -15.636  -6.970  1.00  0.84      SEG1
ATOM   1598 HD21 LEU   103      14.934 -15.792  -8.038  1.00  1.29      SEG1
ATOM   1599 HD22 LEU   103      15.591 -14.841  -6.706  1.00  1.31      SEG1
ATOM   1600 HD23 LEU   103      13.907 -15.366  -6.668  1.00  1.28      SEG1
ATOM   1601  C   LEU   103      16.623 -17.580  -2.813  1.00  0.79      SEG1
ATOM   1602  O   LEU   103      17.820 -17.386  -2.917  1.00  0.87      SEG1
ATOM   1603  N   ALA   104      16.009 -17.465  -1.662  1.00  0.72      SEG1
ATOM   1604  HN  ALA   104      15.044 -17.623  -1.611  1.00  0.67      SEG1
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ATOM	1605	CA	ALA	104	16.772	-17.089	-0.428	1.00	0.74	SEG1
ATOM	1606	HA	ALA	104	17.126	-16.074	-0.497	1.00	0.76	SEG1
ATOM	1607	CB	ALA	104	15.765	-17.216	0.717	1.00	0.68	SEG1
ATOM	1608	HB1	ALA	104	15.952	-16.444	1.449	1.00	1.17	SEG1
ATOM	1609	HB2	ALA	104	15.869	-18.185	1.182	1.00	1.16	SEG1
ATOM	1610	HB3	ALA	104	14.763	-17.109	0.328	1.00	1.31	SEG1
ATOM	1611	C	ALA	104	17.944	-18.055	-0.218	1.00	0.83	SEG1
ATOM	1612	O	ALA	104	19.073	-17.641	-0.042	1.00	0.90	SEG1
ATOM	1613	N	ALA	105	17.681	-19.335	-0.254	1.00	0.85	SEG1
ATOM	1614	HN	ALA	105	16.762	-19.639	-0.411	1.00	0.81	SEG1
ATOM	1615	CA	ALA	105	18.779	-20.333	-0.073	1.00	0.95	SEG1
ATOM	1616	HA	ALA	105	19.323	-20.137	0.838	1.00	0.95	SEG1
ATOM	1617	CB	ALA	105	18.082	-21.692	0.012	1.00	0.98	SEG1
ATOM	1618	HB1	ALA	105	17.663	-21.821	0.999	1.00	1.41	SEG1
ATOM	1619	HB2	ALA	105	18.797	-22.477	-0.181	1.00	1.44	SEG1
ATOM	1620	HB3	ALA	105	17.291	-21.738	-0.723	1.00	1.39	SEG1
ATOM	1621	C	ALA	105	19.719	-20.287	-1.280	1.00	1.03	SEG1
ATOM	1622	O	ALA	105	20.914	-20.482	-1.160	1.00	1.11	SEG1
ATOM	1623	N	ALA	106	19.177	-20.032	-2.443	1.00	1.04	SEG1
ATOM	1624	HN	ALA	106	18.210	-19.882	-2.503	1.00	0.98	SEG1
ATOM	1625	CA	ALA	106	20.019	-19.972	-3.678	1.00	1.14	SEG1
ATOM	1626	HA	ALA	106	20.573	-20.889	-3.798	1.00	1.22	SEG1
ATOM	1627	CB	ALA	106	19.027	-19.812	-4.833	1.00	1.13	SEG1
ATOM	1628	HB1	ALA	106	19.566	-19.771	-5.767	1.00	1.31	SEG1
ATOM	1629	HB2	ALA	106	18.466	-18.898	-4.701	1.00	1.58	SEG1
ATOM	1630	HB3	ALA	106	18.349	-20.652	-4.844	1.00	1.56	SEG1
ATOM	1631	C	ALA	106	20.974	-18.775	-3.628	1.00	1.18	SEG1
ATOM	1632	O	ALA	106	22.086	-18.844	-4.117	1.00	1.29	SEG1
ATOM	1633	N	LEU	107	20.546	-17.677	-3.054	1.00	1.11	SEG1
ATOM	1634	HN	LEU	107	19.644	-17.642	-2.674	1.00	1.02	SEG1
ATOM	1635	CA	LEU	107	21.426	-16.473	-2.990	1.00	1.18	SEG1
ATOM	1636	HA	LEU	107	22.066	-16.433	-3.857	1.00	1.27	SEG1
ATOM	1637	CB	LEU	107	20.463	-15.285	-3.003	1.00	1.12	SEG1
ATOM	1638	HB1	LEU	107	21.007	-14.376	-2.794	1.00	1.19	SEG1
ATOM	1639	HB2	LEU	107	19.701	-15.431	-2.251	1.00	1.05	SEG1
ATOM	1640	CG	LEU	107	19.808	-15.180	-4.382	1.00	1.12	SEG1
ATOM	1641	HG	LEU	107	19.415	-16.145	-4.666	1.00	1.14	SEG1
ATOM	1642	CD1	LEU	107	18.669	-14.161	-4.334	1.00	1.21	SEG1
ATOM	1643	HD11	LEU	107	18.997	-13.278	-3.806	1.00	1.78	SEG1
ATOM	1644	HD12	LEU	107	17.821	-14.592	-3.822	1.00	1.60	SEG1
ATOM	1645	HD13	LEU	107	18.383	-13.893	-5.341	1.00	1.41	SEG1
ATOM	1646	CD2	LEU	107	20.851	-14.730	-5.407	1.00	1.24	SEG1
ATOM	1647	HD21	LEU	107	21.517	-14.011	-4.953	1.00	1.62	SEG1
ATOM	1648	HD22	LEU	107	20.353	-14.277	-6.252	1.00	1.68	SEG1
ATOM	1649	HD23	LEU	107	21.419	-15.585	-5.742	1.00	1.59	SEG1
ATOM	1650	C	LEU	107	22.270	-16.490	-1.708	1.00	1.21	SEG1
ATOM	1651	O	LEU	107	23.433	-16.849	-1.734	1.00	1.31	SEG1
ATOM	1652	N	ALA	108	21.701	-16.107	-0.589	1.00	1.13	SEG1
ATOM	1653	HN	ALA	108	20.762	-15.822	-0.590	1.00	1.05	SEG1
ATOM	1654	CA	ALA	108	22.483	-16.105	0.688	1.00	1.17	SEG1
ATOM	1655	HA	ALA	108	23.036	-17.024	0.790	1.00	1.21	SEG1
ATOM	1656	CB	ALA	108	23.449	-14.927	0.561	1.00	1.29	SEG1
ATOM	1657	HB1	ALA	108	24.163	-14.958	1.371	1.00	1.64	SEG1
ATOM	1658	HB2	ALA	108	22.896	-14.001	0.603	1.00	1.68	SEG1
ATOM	1659	HB3	ALA	108	23.972	-14.991	-0.382	1.00	1.65	SEG1
ATOM	1660	C	ALA	108	21.556	-15.907	1.891	1.00	1.08	SEG1
ATOM	1661	O	ALA	108	21.911	-15.258	2.857	1.00	1.13	SEG1
ATOM	1662	N	GLN	109	20.372	-16.458	1.836	1.00	0.97	SEG1
ATOM	1663	HN	GLN	109	20.112	-16.973	1.044	1.00	0.95	SEG1
ATOM	1664	CA	GLN	109	19.413	-16.303	2.971	1.00	0.90	SEG1
ATOM	1665	HA	GLN	109	19.905	-15.884	3.833	1.00	0.96	SEG1
ATOM	1666	CB	GLN	109	18.352	-15.334	2.447	1.00	0.85	SEG1
ATOM	1667	HB1	GLN	109	17.531	-15.286	3.146	1.00	0.80	SEG1
ATOM	1668	HB2	GLN	109	17.990	-15.680	1.489	1.00	0.82	SEG1
ATOM	1669	CG	GLN	109	18.965	-13.942	2.289	1.00	0.98	SEG1
ATOM	1670	HG1	GLN	109	19.887	-14.017	1.734	1.00	1.16	SEG1
ATOM	1671	HG2	GLN	109	19.165	-13.527	3.265	1.00	1.25	SEG1
ATOM	1672	CD	GLN	109	17.994	-13.028	1.537	1.00	1.42	SEG1
ATOM	1673	OE1	GLN	109	17.061	-13.490	0.910	1.00	1.91	SEG1
ATOM	1674	NE2	GLN	109	18.183	-11.738	1.565	1.00	1.74	SEG1
ATOM	1675	HE21	GLN	109	18.940	-11.366	2.064	1.00	1.72	SEG1
ATOM	1676	HE22	GLN	109	17.569	-11.142	1.087	1.00	2.24	SEG1
ATOM	1677	C	GLN	109	18.775	-17.652	3.311	1.00	0.85	SEG1
ATOM	1678	O	GLN	109	18.443	-18.423	2.432	1.00	0.83	SEG1
ATOM	1679	N	HIS	110	18.587	-17.941	4.576	1.00	0.87	SEG1
ATOM	1680	HN	HIS	110	18.852	-17.302	5.270	1.00	0.92	SEG1
ATOM	1681	CA	HIS	110	17.951	-19.240	4.950	1.00	0.89	SEG1

ATOM	1682	HA	HIS	110	18.501	-20.067	4.529	1.00	0.94	SEG1
ATOM	1683	CB	HIS	110	17.997	-19.298	6.479	1.00	0.95	SEG1
ATOM	1684	HB1	HIS	110	17.393	-20.124	6.825	1.00	1.35	SEG1
ATOM	1685	HB2	HIS	110	17.611	-18.375	6.885	1.00	1.16	SEG1
ATOM	1686	CG	HIS	110	19.416	-19.492	6.934	1.00	1.24	SEG1
ATOM	1687	ND1	HIS	110	20.255	-18.426	7.216	1.00	2.20	SEG1
ATOM	1688	HD1	HIS	110	20.025	-17.476	7.152	1.00	2.77	SEG1
ATOM	1689	CD2	HIS	110	20.157	-20.624	7.162	1.00	1.69	SEG1
ATOM	1690	HD2	HIS	110	19.802	-21.636	7.034	1.00	2.16	SEG1
ATOM	1691	CE1	HIS	110	21.442	-18.934	7.595	1.00	2.66	SEG1
ATOM	1692	HE1	HIS	110	22.295	-18.335	7.877	1.00	3.53	SEG1
ATOM	1693	NE2	HIS	110	21.436	-20.270	7.580	1.00	2.33	SEG1
ATOM	1694	C	HIS	110	16.503	-19.253	4.460	1.00	0.83	SEG1
ATOM	1695	O	HIS	110	16.013	-20.249	3.962	1.00	1.08	SEG1
ATOM	1696	N	SER	111	15.820	-18.141	4.587	1.00	0.68	SEG1
ATOM	1697	HN	SER	111	16.249	-17.353	4.984	1.00	0.77	SEG1
ATOM	1698	CA	SER	111	14.400	-18.053	4.121	1.00	0.61	SEG1
ATOM	1699	HA	SER	111	14.329	-18.326	3.080	1.00	0.63	SEG1
ATOM	1700	CB	SER	111	13.618	-19.051	4.982	1.00	0.66	SEG1
ATOM	1701	HB1	SER	111	13.856	-18.888	6.025	1.00	1.14	SEG1
ATOM	1702	HB2	SER	111	13.889	-20.056	4.708	1.00	1.08	SEG1
ATOM	1703	OG	SER	111	12.225	-18.866	4.767	1.00	1.38	SEG1
ATOM	1704	HG	SER	111	11.755	-19.295	5.485	1.00	1.53	SEG1
ATOM	1705	C	SER	111	13.862	-16.637	4.341	1.00	0.51	SEG1
ATOM	1706	O	SER	111	13.860	-16.132	5.449	1.00	0.54	SEG1
ATOM	1707	N	VAL	112	13.392	-16.000	3.299	1.00	0.47	SEG1
ATOM	1708	HN	VAL	112	13.395	-16.433	2.420	1.00	0.51	SEG1
ATOM	1709	CA	VAL	112	12.834	-14.620	3.448	1.00	0.42	SEG1
ATOM	1710	HA	VAL	112	12.698	-14.386	4.492	1.00	0.41	SEG1
ATOM	1711	CB	VAL	112	13.882	-13.674	2.833	1.00	0.54	SEG1
ATOM	1712	HB	VAL	112	14.788	-13.721	3.420	1.00	0.61	SEG1
ATOM	1713	CG1	VAL	112	14.195	-14.094	1.390	1.00	0.61	SEG1
ATOM	1714	HG11	VAL	112	13.434	-14.775	1.038	1.00	1.32	SEG1
ATOM	1715	HG12	VAL	112	15.158	-14.584	1.361	1.00	1.02	SEG1
ATOM	1716	HG13	VAL	112	14.219	-13.221	0.754	1.00	1.21	SEG1
ATOM	1717	CG2	VAL	112	13.344	-12.234	2.844	1.00	0.58	SEG1
ATOM	1718	HG21	VAL	112	12.561	-12.147	3.587	1.00	1.18	SEG1
ATOM	1719	HG22	VAL	112	12.943	-11.993	1.870	1.00	1.21	SEG1
ATOM	1720	HG23	VAL	112	14.145	-11.552	3.082	1.00	1.13	SEG1
ATOM	1721	C	VAL	112	11.491	-14.519	2.704	1.00	0.40	SEG1
ATOM	1722	O	VAL	112	11.400	-13.850	1.693	1.00	0.46	SEG1
ATOM	1723	N	PRO	113	10.483	-15.181	3.228	1.00	0.41	SEG1
ATOM	1724	CA	PRO	113	9.151	-15.136	2.587	1.00	0.50	SEG1
ATOM	1725	HA	PRO	113	9.232	-15.296	1.525	1.00	0.57	SEG1
ATOM	1726	CB	PRO	113	8.398	-16.294	3.234	1.00	0.64	SEG1
ATOM	1727	HB1	PRO	113	8.486	-17.184	2.631	1.00	0.72	SEG1
ATOM	1728	HB2	PRO	113	7.357	-16.032	3.370	1.00	0.71	SEG1
ATOM	1729	CG	PRO	113	9.061	-16.507	4.558	1.00	0.62	SEG1
ATOM	1730	HG1	PRO	113	9.056	-17.557	4.807	1.00	0.75	SEG1
ATOM	1731	HG2	PRO	113	8.542	-15.944	5.321	1.00	0.66	SEG1
ATOM	1732	CD	PRO	113	10.483	-16.022	4.438	1.00	0.47	SEG1
ATOM	1733	HD2	PRO	113	10.757	-15.440	5.308	1.00	0.47	SEG1
ATOM	1734	HD1	PRO	113	11.158	-16.854	4.311	1.00	0.50	SEG1
ATOM	1735	C	PRO	113	8.458	-13.803	2.886	1.00	0.47	SEG1
ATOM	1736	O	PRO	113	7.929	-13.597	3.962	1.00	0.53	SEG1
ATOM	1737	N	LEU	114	8.447	-12.905	1.934	1.00	0.51	SEG1
ATOM	1738	HN	LEU	114	8.872	-13.102	1.073	1.00	0.59	SEG1
ATOM	1739	CA	LEU	114	7.778	-11.586	2.147	1.00	0.54	SEG1
ATOM	1740	HA	LEU	114	7.662	-11.378	3.199	1.00	0.50	SEG1
ATOM	1741	CB	LEU	114	8.709	-10.559	1.501	1.00	0.62	SEG1
ATOM	1742	HB1	LEU	114	8.194	-9.615	1.409	1.00	1.24	SEG1
ATOM	1743	HB2	LEU	114	9.001	-10.907	0.521	1.00	1.15	SEG1
ATOM	1744	CG	LEU	114	9.953	-10.375	2.368	1.00	1.00	SEG1
ATOM	1745	HG	LEU	114	10.362	-11.341	2.624	1.00	1.82	SEG1
ATOM	1746	CD1	LEU	114	10.995	-9.566	1.594	1.00	1.41	SEG1
ATOM	1747	HD11	LEU	114	10.713	-8.523	1.593	1.00	1.88	SEG1
ATOM	1748	HD12	LEU	114	11.047	-9.926	0.578	1.00	1.82	SEG1
ATOM	1749	HD13	LEU	114	11.960	-9.677	2.066	1.00	2.03	SEG1
ATOM	1750	CD2	LEU	114	9.572	-9.617	3.643	1.00	1.66	SEG1
ATOM	1751	HD21	LEU	114	8.980	-10.256	4.279	1.00	2.15	SEG1
ATOM	1752	HD22	LEU	114	8.998	-8.740	3.382	1.00	2.23	SEG1
ATOM	1753	HD23	LEU	114	10.469	-9.319	4.166	1.00	2.01	SEG1
ATOM	1754	C	LEU	114	6.427	-11.590	1.442	1.00	0.65	SEG1
ATOM	1755	O	LEU	114	6.353	-11.590	0.228	1.00	0.86	SEG1
ATOM	1756	N	GLN	115	5.359	-11.604	2.194	1.00	0.58	SEG1
ATOM	1757	HN	GLN	115	5.447	-11.613	3.170	1.00	0.51	SEG1
ATOM	1758	CA	GLN	115	4.008	-11.628	1.570	1.00	0.71	SEG1

FIG. 2 (24 of 35)

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ATOM   1759  HA  GLN   115       4.095 -11.648   0.495  1.00  0.84      SEG1
ATOM   1760  CB  GLN   115       3.368 -12.929   2.062  1.00  0.86      SEG1
ATOM   1761  HB1 GLN   115       3.309 -12.918   3.139  1.00  0.94      SEG1
ATOM   1762  HB2 GLN   115       3.972 -13.768   1.742  1.00  1.29      SEG1
ATOM   1763  CG  GLN   115       1.959 -13.065   1.477  1.00  1.26      SEG1
ATOM   1764  HG1 GLN   115       2.018 -13.077   0.398  1.00  1.92      SEG1
ATOM   1765  HG2 GLN   115       1.358 -12.225   1.793  1.00  1.92      SEG1
ATOM   1766  CD  GLN   115       1.312 -14.366   1.963  1.00  0.81      SEG1
ATOM   1767  OE1 GLN   115       1.964 -15.205   2.553  1.00  1.12      SEG1
ATOM   1768  NE2 GLN   115       0.045 -14.571   1.730  1.00  0.81      SEG1
ATOM   1769 HE21 GLN   115      -0.481 -13.897   1.248  1.00  0.83      SEG1
ATOM   1770 HE22 GLN   115      -0.382 -15.399   2.035  1.00  1.18      SEG1
ATOM   1771  C   GLN   115       3.189 -10.414   2.011  1.00  0.56      SEG1
ATOM   1772  O   GLN   115       3.430  -9.822   3.053  1.00  0.46      SEG1
ATOM   1773  N   LEU   116       2.224 -10.047   1.210  1.00  0.59      SEG1
ATOM   1774  HN  LEU   116       2.068 -10.548   0.382  1.00  0.70      SEG1
ATOM   1775  CA  LEU   116       1.362  -8.878   1.533  1.00  0.48      SEG1
ATOM   1776  HA  LEU   116       1.742  -8.340   2.382  1.00  0.42      SEG1
ATOM   1777  CB  LEU   116       1.414  -7.993   0.284  1.00  0.53      SEG1
ATOM   1778  HB1 LEU   116       0.809  -7.113   0.443  1.00  0.52      SEG1
ATOM   1779  HB2 LEU   116       1.027  -8.545  -0.560  1.00  0.62      SEG1
ATOM   1780  CG  LEU   116       2.859  -7.567  -0.008  1.00  0.55      SEG1
ATOM   1781  HG  LEU   116       3.464  -8.446  -0.174  1.00  0.59      SEG1
ATOM   1782  CD1 LEU   116       2.880  -6.691  -1.261  1.00  0.69      SEG1
ATOM   1783 HD11 LEU   116       2.685  -5.665  -0.986  1.00  1.24      SEG1
ATOM   1784 HD12 LEU   116       2.119  -7.030  -1.950  1.00  1.29      SEG1
ATOM   1785 HD13 LEU   116       3.849  -6.760  -1.732  1.00  1.07      SEG1
ATOM   1786  CD2 LEU   116       3.422  -6.771   1.175  1.00  0.48      SEG1
ATOM   1787 HD21 LEU   116       2.704  -6.026   1.484  1.00  1.17      SEG1
ATOM   1788 HD22 LEU   116       4.339  -6.284   0.876  1.00  1.11      SEG1
ATOM   1789 HD23 LEU   116       3.623  -7.442   1.998  1.00  1.09      SEG1
ATOM   1790  C   LEU   116      -0.071  -9.349   1.783  1.00  0.48      SEG1
ATOM   1791  O   LEU   116      -0.511 -10.339   1.229  1.00  0.53      SEG1
ATOM   1792  N   GLU   117      -0.801  -8.643   2.604  1.00  0.43      SEG1
ATOM   1793  HN  GLU   117      -0.421  -7.846   3.030  1.00  0.40      SEG1
ATOM   1794  CA  GLU   117      -2.217  -9.030   2.884  1.00  0.44      SEG1
ATOM   1795  HA  GLU   117      -2.535  -9.813   2.214  1.00  0.49      SEG1
ATOM   1796  CB  GLU   117      -2.220  -9.533   4.327  1.00  0.47      SEG1
ATOM   1797  HB1 GLU   117      -3.228  -9.790   4.617  1.00  0.74      SEG1
ATOM   1798  HB2 GLU   117      -1.844  -8.760   4.979  1.00  0.64      SEG1
ATOM   1799  CG  GLU   117      -1.329 -10.776   4.433  1.00  0.95      SEG1
ATOM   1800  HG1 GLU   117      -0.322 -10.520   4.137  1.00  1.24      SEG1
ATOM   1801  HG2 GLU   117      -1.709 -11.544   3.775  1.00  1.29      SEG1
ATOM   1802  CD  GLU   117      -1.314 -11.304   5.875  1.00  0.99      SEG1
ATOM   1803  OE1 GLU   117      -1.813 -10.617   6.754  1.00  1.61      SEG1
ATOM   1804  OE2 GLU   117      -0.799 -12.392   6.075  1.00  1.23      SEG1
ATOM   1805  C   GLU   117      -3.104  -7.796   2.731  1.00  0.37      SEG1
ATOM   1806  O   GLU   117      -2.623  -6.682   2.781  1.00  0.39      SEG1
ATOM   1807  N   LEU   118      -4.386  -7.975   2.527  1.00  0.34      SEG1
ATOM   1808  HN  LEU   118      -4.755  -8.881   2.477  1.00  0.37      SEG1
ATOM   1809  CA  LEU   118      -5.277  -6.788   2.355  1.00  0.29      SEG1
ATOM   1810  HA  LEU   118      -4.699  -5.878   2.367  1.00  0.27      SEG1
ATOM   1811  CB  LEU   118      -5.931  -6.962   0.987  1.00  0.30      SEG1
ATOM   1812  HB1 LEU   118      -6.637  -6.161   0.826  1.00  0.28      SEG1
ATOM   1813  HB2 LEU   118      -6.451  -7.907   0.956  1.00  0.32      SEG1
ATOM   1814  CG  LEU   118      -4.865  -6.918  -0.104  1.00  0.31      SEG1
ATOM   1815  HG  LEU   118      -4.058  -7.590   0.150  1.00  0.34      SEG1
ATOM   1816  CD1 LEU   118      -5.483  -7.338  -1.438  1.00  0.36      SEG1
ATOM   1817 HD11 LEU   118      -4.712  -7.729  -2.085  1.00  1.00      SEG1
ATOM   1818 HD12 LEU   118      -5.946  -6.481  -1.906  1.00  1.02      SEG1
ATOM   1819 HD13 LEU   118      -6.229  -8.099  -1.265  1.00  1.09      SEG1
ATOM   1820  CD2 LEU   118      -4.329  -5.491  -0.218  1.00  0.29      SEG1
ATOM   1821 HD21 LEU   118      -3.997  -5.309  -1.229  1.00  1.02      SEG1
ATOM   1822 HD22 LEU   118      -3.502  -5.366   0.461  1.00  1.06      SEG1
ATOM   1823 HD23 LEU   118      -5.113  -4.790   0.036  1.00  1.07      SEG1
ATOM   1824  C   LEU   118      -6.364  -6.741   3.418  1.00  0.32      SEG1
ATOM   1825  O   LEU   118      -7.051  -7.715   3.665  1.00  0.38      SEG1
ATOM   1826  N   ARG   119      -6.556  -5.595   4.009  1.00  0.29      SEG1
ATOM   1827  HN  ARG   119      -6.006  -4.816   3.761  1.00  0.28      SEG1
ATOM   1828  CA  ARG   119      -7.638  -5.447   5.019  1.00  0.34      SEG1
ATOM   1829  HA  ARG   119      -8.268  -6.324   5.027  1.00  0.38      SEG1
ATOM   1830  CB  ARG   119      -6.939  -5.284   6.366  1.00  0.38      SEG1
ATOM   1831  HB1 ARG   119      -6.351  -4.379   6.361  1.00  0.61      SEG1
ATOM   1832  HB2 ARG   119      -6.294  -6.134   6.543  1.00  0.77      SEG1
ATOM   1833  CG  ARG   119      -7.993  -5.200   7.473  1.00  0.70      SEG1
ATOM   1834  HG1 ARG   119      -8.644  -6.058   7.417  1.00  1.23      SEG1
ATOM   1835  HG2 ARG   119      -8.574  -4.297   7.348  1.00  1.36      SEG1
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FIG. 2 (25 of 35)

ATOM	1836	CD	ARG	119	-7.300	-5.177	8.835	1.00	0.84	SEG1
ATOM	1837	HD1	ARG	119	-6.660	-4.314	8.916	1.00	1.40	SEG1
ATOM	1838	HD2	ARG	119	-6.730	-6.086	8.975	1.00	1.09	SEG1
ATOM	1839	NE	ARG	119	-8.402	-5.094	9.846	1.00	1.43	SEG1
ATOM	1840	HE	ARG	119	-9.323	-4.949	9.545	1.00	1.78	SEG1
ATOM	1841	CZ	ARG	119	-8.156	-5.211	11.137	1.00	2.13	SEG1
ATOM	1842	NH1	ARG	119	-9.146	-5.133	11.984	1.00	2.72	SEG1
ATOM	1843	HH11	ARG	119	-10.078	-4.987	11.652	1.00	2.79	SEG1
ATOM	1844	HH12	ARG	119	-8.973	-5.220	12.964	1.00	3.33	SEG1
ATOM	1845	NH2	ARG	119	-6.938	-5.401	11.591	1.00	2.69	SEG1
ATOM	1846	HH21	ARG	119	-6.165	-5.461	10.961	1.00	2.58	SEG1
ATOM	1847	HH22	ARG	119	-6.783	-5.485	12.576	1.00	3.46	SEG1
ATOM	1848	C	ARG	119	-8.453	-4.207	4.667	1.00	0.31	SEG1
ATOM	1849	O	ARG	119	-8.041	-3.090	4.921	1.00	0.30	SEG1
ATOM	1850	N	ALA	120	-9.593	-4.399	4.059	1.00	0.33	SEG1
ATOM	1851	HN	ALA	120	-9.885	-5.314	3.846	1.00	0.34	SEG1
ATOM	1852	CA	ALA	120	-10.432	-3.231	3.658	1.00	0.33	SEG1
ATOM	1853	HA	ALA	120	-9.842	-2.327	3.679	1.00	0.33	SEG1
ATOM	1854	CB	ALA	120	-10.859	-3.532	2.221	1.00	0.35	SEG1
ATOM	1855	HB1	ALA	120	-11.394	-4.469	2.194	1.00	1.06	SEG1
ATOM	1856	HB2	ALA	120	-9.984	-3.598	1.592	1.00	1.10	SEG1
ATOM	1857	HB3	ALA	120	-11.501	-2.740	1.863	1.00	1.05	SEG1
ATOM	1858	C	ALA	120	-11.665	-3.096	4.562	1.00	0.38	SEG1
ATOM	1859	O	ALA	120	-12.261	-2.038	4.649	1.00	0.42	SEG1
ATOM	1860	N	GLY	121	-12.054	-4.154	5.230	1.00	0.40	SEG1
ATOM	1861	HN	GLY	121	-11.562	-4.996	5.142	1.00	0.40	SEG1
ATOM	1862	CA	GLY	121	-13.250	-4.083	6.122	1.00	0.46	SEG1
ATOM	1863	HA1	GLY	121	-14.119	-3.816	5.540	1.00	0.49	SEG1
ATOM	1864	HA2	GLY	121	-13.085	-3.338	6.887	1.00	0.48	SEG1
ATOM	1865	C	GLY	121	-13.481	-5.446	6.776	1.00	0.49	SEG1
ATOM	1866	O	GLY	121	-12.594	-6.003	7.396	1.00	0.50	SEG1
ATOM	1867	N	ALA	122	-14.666	-5.986	6.640	1.00	0.53	SEG1
ATOM	1868	HN	ALA	122	-15.361	-5.515	6.134	1.00	0.54	SEG1
ATOM	1869	CA	ALA	122	-14.962	-7.317	7.252	1.00	0.58	SEG1
ATOM	1870	HA	ALA	122	-14.535	-7.376	8.241	1.00	0.60	SEG1
ATOM	1871	CB	ALA	122	-16.487	-7.382	7.341	1.00	0.64	SEG1
ATOM	1872	HB1	ALA	122	-16.917	-7.030	6.416	1.00	1.23	SEG1
ATOM	1873	HB2	ALA	122	-16.826	-6.759	8.156	1.00	1.17	SEG1
ATOM	1874	HB3	ALA	122	-16.794	-8.402	7.516	1.00	1.23	SEG1
ATOM	1875	C	ALA	122	-14.425	-8.458	6.372	1.00	0.56	SEG1
ATOM	1876	O	ALA	122	-14.455	-9.610	6.763	1.00	0.60	SEG1
ATOM	1877	N	GLU	123	-13.932	-8.151	5.193	1.00	0.52	SEG1
ATOM	1878	HN	GLU	123	-13.912	-7.220	4.894	1.00	0.51	SEG1
ATOM	1879	CA	GLU	123	-13.392	-9.220	4.301	1.00	0.51	SEG1
ATOM	1880	HA	GLU	123	-13.761	-10.187	4.606	1.00	0.56	SEG1
ATOM	1881	CB	GLU	123	-13.919	-8.875	2.908	1.00	0.52	SEG1
ATOM	1882	HB1	GLU	123	-13.430	-9.494	2.173	1.00	0.60	SEG1
ATOM	1883	HB2	GLU	123	-13.716	-7.835	2.696	1.00	0.62	SEG1
ATOM	1884	CG	GLU	123	-15.432	-9.122	2.860	1.00	0.81	SEG1
ATOM	1885	HG1	GLU	123	-15.919	-8.503	3.598	1.00	1.14	SEG1
ATOM	1886	HG2	GLU	123	-15.630	-10.161	3.078	1.00	1.08	SEG1
ATOM	1887	CD	GLU	123	-15.985	-8.781	1.468	1.00	1.04	SEG1
ATOM	1888	OE1	GLU	123	-15.256	-8.207	0.673	1.00	1.61	SEG1
ATOM	1889	OE2	GLU	123	-17.134	-9.109	1.219	1.00	1.62	SEG1
ATOM	1890	C	GLU	123	-11.861	-9.201	4.324	1.00	0.46	SEG1
ATOM	1891	O	GLU	123	-11.242	-8.169	4.146	1.00	0.45	SEG1
ATOM	1892	N	ARG	124	-11.251	-10.338	4.545	1.00	0.49	SEG1
ATOM	1893	HN	ARG	124	-11.777	-11.152	4.688	1.00	0.54	SEG1
ATOM	1894	CA	ARG	124	-9.759	-10.401	4.587	1.00	0.49	SEG1
ATOM	1895	HA	ARG	124	-9.364	-9.483	4.993	1.00	0.48	SEG1
ATOM	1896	CB	ARG	124	-9.435	-11.562	5.529	1.00	0.56	SEG1
ATOM	1897	HB1	ARG	124	-8.385	-11.798	5.467	1.00	0.58	SEG1
ATOM	1898	HB2	ARG	124	-10.018	-12.427	5.248	1.00	0.57	SEG1
ATOM	1899	CG	ARG	124	-9.781	-11.156	6.964	1.00	0.61	SEG1
ATOM	1900	HG1	ARG	124	-10.832	-10.919	7.028	1.00	0.61	SEG1
ATOM	1901	HG2	ARG	124	-9.199	-10.288	7.240	1.00	0.60	SEG1
ATOM	1902	CD	ARG	124	-9.461	-12.312	7.918	1.00	0.70	SEG1
ATOM	1903	HD1	ARG	124	-8.407	-12.546	7.886	1.00	1.17	SEG1
ATOM	1904	HD2	ARG	124	-10.048	-13.182	7.661	1.00	1.17	SEG1
ATOM	1905	NE	ARG	124	-9.832	-11.814	9.281	1.00	1.59	SEG1
ATOM	1906	HE	ARG	124	-10.282	-10.947	9.372	1.00	2.17	SEG1
ATOM	1907	CZ	ARG	124	-9.567	-12.517	10.365	1.00	2.20	SEG1
ATOM	1908	NH1	ARG	124	-9.908	-12.042	11.532	1.00	3.24	SEG1
ATOM	1909	HH11	ARG	124	-10.364	-11.155	11.596	1.00	3.68	SEG1
ATOM	1910	HH12	ARG	124	-9.713	-12.565	12.361	1.00	3.76	SEG1
ATOM	1911	NH2	ARG	124	-8.967	-13.683	10.300	1.00	2.24	SEG1
ATOM	1912	HH21	ARG	124	-8.696	-14.065	9.418	1.00	2.00	SEG1

ATOM	1913	HH22	ARG	124	-8.780	-14.194	11.139	1.00	2.90	SEG1
ATOM	1914	C	ARG	124	-9.185	-10.648	3.188	1.00	0.46	SEG1
ATOM	1915	O	ARG	124	-9.872	-10.511	2.193	1.00	0.44	SEG1
ATOM	1916	N	LEU	125	-7.923	-10.993	3.109	1.00	0.49	SEG1
ATOM	1917	HN	LEU	125	-7.393	-11.079	3.928	1.00	0.53	SEG1
ATOM	1918	CA	LEU	125	-7.283	-11.230	1.777	1.00	0.49	SEG1
ATOM	1919	HA	LEU	125	-7.297	-10.326	1.191	1.00	0.50	SEG1
ATOM	1920	CB	LEU	125	-5.835	-11.627	2.096	1.00	0.58	SEG1
ATOM	1921	HB1	LEU	125	-5.834	-12.518	2.704	1.00	0.60	SEG1
ATOM	1922	HB2	LEU	125	-5.353	-10.823	2.635	1.00	0.62	SEG1
ATOM	1923	CG	LEU	125	-5.069	-11.899	0.798	1.00	0.62	SEG1
ATOM	1924	HG	LEU	125	-5.615	-12.621	0.206	1.00	0.79	SEG1
ATOM	1925	CD1	LEU	125	-4.915	-10.600	-0.003	1.00	1.11	SEG1
ATOM	1926	HD11	LEU	125	-3.896	-10.254	0.061	1.00	1.61	SEG1
ATOM	1927	HD12	LEU	125	-5.573	-9.844	0.397	1.00	1.75	SEG1
ATOM	1928	HD13	LEU	125	-5.167	-10.784	-1.037	1.00	1.55	SEG1
ATOM	1929	CD2	LEU	125	-3.686	-12.463	1.139	1.00	1.28	SEG1
ATOM	1930	HD21	LEU	125	-3.790	-13.260	1.859	1.00	1.80	SEG1
ATOM	1931	HD22	LEU	125	-3.071	-11.679	1.556	1.00	1.84	SEG1
ATOM	1932	HD23	LEU	125	-3.222	-12.847	0.242	1.00	1.73	SEG1
ATOM	1933	C	LEU	125	-7.994	-12.362	1.028	1.00	0.46	SEG1
ATOM	1934	O	LEU	125	-8.299	-12.236	-0.144	1.00	0.45	SEG1
ATOM	1935	N	ASP	126	-8.261	-13.458	1.688	1.00	0.49	SEG1
ATOM	1936	HN	ASP	126	-8.007	-13.537	2.632	1.00	0.53	SEG1
ATOM	1937	CA	ASP	126	-8.956	-14.590	1.001	1.00	0.50	SEG1
ATOM	1938	HA	ASP	126	-8.381	-14.913	0.145	1.00	0.49	SEG1
ATOM	1939	CB	ASP	126	-9.025	-15.723	2.038	1.00	0.57	SEG1
ATOM	1940	HB1	ASP	126	-8.025	-15.964	2.369	1.00	0.58	SEG1
ATOM	1941	HB2	ASP	126	-9.469	-16.596	1.583	1.00	0.59	SEG1
ATOM	1942	CG	ASP	126	-9.868	-15.299	3.251	1.00	0.62	SEG1
ATOM	1943	OD1	ASP	126	-10.047	-14.108	3.446	1.00	1.28	SEG1
ATOM	1944	OD2	ASP	126	-10.322	-16.179	3.964	1.00	1.21	SEG1
ATOM	1945	C	ASP	126	-10.360	-14.158	0.559	1.00	0.51	SEG1
ATOM	1946	O	ASP	126	-10.948	-14.746	-0.329	1.00	0.53	SEG1
ATOM	1947	N	ALA	127	-10.899	-13.135	1.177	1.00	0.52	SEG1
ATOM	1948	HN	ALA	127	-10.406	-12.680	1.890	1.00	0.52	SEG1
ATOM	1949	CA	ALA	127	-12.263	-12.658	0.803	1.00	0.57	SEG1
ATOM	1950	HA	ALA	127	-12.905	-13.496	0.584	1.00	0.60	SEG1
ATOM	1951	CB	ALA	127	-12.773	-11.927	2.046	1.00	0.64	SEG1
ATOM	1952	HB1	ALA	127	-12.036	-11.203	2.368	1.00	1.19	SEG1
ATOM	1953	HB2	ALA	127	-12.944	-12.642	2.838	1.00	1.26	SEG1
ATOM	1954	HB3	ALA	127	-13.697	-11.422	1.811	1.00	1.17	SEG1
ATOM	1955	C	ALA	127	-12.209	-11.698	-0.398	1.00	0.55	SEG1
ATOM	1956	O	ALA	127	-13.236	-11.313	-0.925	1.00	0.62	SEG1
ATOM	1957	N	LEU	128	-11.031	-11.301	-0.832	1.00	0.50	SEG1
ATOM	1958	HN	LEU	128	-10.212	-11.614	-0.396	1.00	0.47	SEG1
ATOM	1959	CA	LEU	128	-10.943	-10.360	-1.994	1.00	0.52	SEG1
ATOM	1960	HA	LEU	128	-11.895	-9.885	-2.163	1.00	0.57	SEG1
ATOM	1961	CB	LEU	128	-9.903	-9.313	-1.585	1.00	0.53	SEG1
ATOM	1962	HB1	LEU	128	-9.780	-8.598	-2.385	1.00	0.87	SEG1
ATOM	1963	HB2	LEU	128	-8.958	-9.801	-1.393	1.00	0.70	SEG1
ATOM	1964	CG	LEU	128	-10.366	-8.583	-0.321	1.00	1.03	SEG1
ATOM	1965	HG	LEU	128	-10.624	-9.310	0.437	1.00	1.71	SEG1
ATOM	1966	CD1	LEU	128	-9.231	-7.694	0.196	1.00	1.29	SEG1
ATOM	1967	HD11	LEU	128	-8.688	-7.281	-0.641	1.00	1.79	SEG1
ATOM	1968	HD12	LEU	128	-8.562	-8.283	0.805	1.00	1.73	SEG1
ATOM	1969	HD13	LEU	128	-9.644	-6.891	0.789	1.00	1.77	SEG1
ATOM	1970	CD2	LEU	128	-11.594	-7.715	-0.640	1.00	1.58	SEG1
ATOM	1971	HD21	LEU	128	-11.309	-6.673	-0.659	1.00	2.06	SEG1
ATOM	1972	HD22	LEU	128	-12.346	-7.866	0.120	1.00	1.98	SEG1
ATOM	1973	HD23	LEU	128	-11.997	-7.994	-1.602	1.00	2.07	SEG1
ATOM	1974	C	LEU	128	-10.481	-11.091	-3.259	1.00	0.50	SEG1
ATOM	1975	O	LEU	128	-10.738	-10.647	-4.362	1.00	0.55	SEG1
ATOM	1976	N	LEU	129	-9.800	-12.201	-3.113	1.00	0.47	SEG1
ATOM	1977	HN	LEU	129	-9.601	-12.539	-2.214	1.00	0.46	SEG1
ATOM	1978	CA	LEU	129	-9.322	-12.948	-4.318	1.00	0.49	SEG1
ATOM	1979	HA	LEU	129	-8.785	-12.283	-4.976	1.00	0.53	SEG1
ATOM	1980	CB	LEU	129	-8.372	-14.026	-3.786	1.00	0.49	SEG1
ATOM	1981	HB1	LEU	129	-8.025	-14.635	-4.607	1.00	0.53	SEG1
ATOM	1982	HB2	LEU	129	-8.898	-14.647	-3.075	1.00	0.48	SEG1
ATOM	1983	CG	LEU	129	-7.167	-13.372	-3.095	1.00	0.50	SEG1
ATOM	1984	HG	LEU	129	-7.513	-12.769	-2.268	1.00	0.48	SEG1
ATOM	1985	CD1	LEU	129	-6.229	-14.460	-2.570	1.00	0.54	SEG1
ATOM	1986	HD11	LEU	129	-6.789	-15.368	-2.400	1.00	1.15	SEG1
ATOM	1987	HD12	LEU	129	-5.782	-14.134	-1.643	1.00	1.15	SEG1
ATOM	1988	HD13	LEU	129	-5.452	-14.648	-3.297	1.00	1.18	SEG1
ATOM	1989	CD2	LEU	129	-6.406	-12.490	-4.094	1.00	0.59	SEG1

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ATOM	1990	HD21	LEU	129	-6.980	-11.598	-4.296	1.00	1.13	SEG1
ATOM	1991	HD22	LEU	129	-6.253	-13.036	-5.013	1.00	1.11	SEG1
ATOM	1992	HD23	LEU	129	-5.450	-12.215	-3.675	1.00	1.28	SEG1
ATOM	1993	C	LEU	129	-10.501	-13.585	-5.061	1.00	0.54	SEG1
ATOM	1994	O	LEU	129	-10.542	-13.597	-6.278	1.00	0.60	SEG1
ATOM	1995	N	ALA	130	-11.454	-14.118	-4.340	1.00	0.56	SEG1
ATOM	1996	HN	ALA	130	-11.393	-14.098	-3.361	1.00	0.54	SEG1
ATOM	1997	CA	ALA	130	-12.631	-14.765	-5.003	1.00	0.64	SEG1
ATOM	1998	HA	ALA	130	-12.299	-15.512	-5.706	1.00	0.73	SEG1
ATOM	1999	CB	ALA	130	-13.418	-15.429	-3.871	1.00	0.72	SEG1
ATOM	2000	HB1	ALA	130	-14.057	-16.197	-4.281	1.00	1.23	SEG1
ATOM	2001	HB2	ALA	130	-14.022	-14.688	-3.369	1.00	1.22	SEG1
ATOM	2002	HB3	ALA	130	-12.730	-15.871	-3.166	1.00	1.30	SEG1
ATOM	2003	C	ALA	130	-13.497	-13.718	-5.711	1.00	0.59	SEG1
ATOM	2004	O	ALA	130	-13.759	-13.818	-6.895	1.00	0.64	SEG1
ATOM	2005	N	ASP	131	-13.948	-12.720	-4.992	1.00	0.55	SEG1
ATOM	2006	HN	ASP	131	-13.727	-12.667	-4.039	1.00	0.57	SEG1
ATOM	2007	CA	ASP	131	-14.807	-11.669	-5.616	1.00	0.53	SEG1
ATOM	2008	HA	ASP	131	-15.173	-12.001	-6.574	1.00	0.58	SEG1
ATOM	2009	CB	ASP	131	-15.975	-11.489	-4.646	1.00	0.61	SEG1
ATOM	2010	HB1	ASP	131	-16.552	-10.623	-4.934	1.00	0.74	SEG1
ATOM	2011	HB2	ASP	131	-15.592	-11.350	-3.645	1.00	0.91	SEG1
ATOM	2012	CG	ASP	131	-16.867	-12.730	-4.685	1.00	0.99	SEG1
ATOM	2013	OD1	ASP	131	-17.317	-13.145	-3.630	1.00	1.79	SEG1
ATOM	2014	OD2	ASP	131	-17.089	-13.242	-5.770	1.00	1.43	SEG1
ATOM	2015	C	ASP	131	-14.029	-10.359	-5.764	1.00	0.45	SEG1
ATOM	2016	O	ASP	131	-13.505	-9.828	-4.803	1.00	0.42	SEG1
ATOM	2017	N	GLU	132	-13.956	-9.838	-6.962	1.00	0.46	SEG1
ATOM	2018	HN	GLU	132	-14.390	-10.287	-7.717	1.00	0.51	SEG1
ATOM	2019	CA	GLU	132	-13.217	-8.561	-7.183	1.00	0.45	SEG1
ATOM	2020	HA	GLU	132	-12.367	-8.499	-6.522	1.00	0.44	SEG1
ATOM	2021	CB	GLU	132	-12.744	-8.621	-8.637	1.00	0.54	SEG1
ATOM	2022	HB1	GLU	132	-12.350	-7.659	-8.928	1.00	1.06	SEG1
ATOM	2023	HB2	GLU	132	-13.576	-8.878	-9.276	1.00	0.88	SEG1
ATOM	2024	CG	GLU	132	-11.645	-9.683	-8.771	1.00	1.23	SEG1
ATOM	2025	HG1	GLU	132	-12.041	-10.644	-8.476	1.00	1.67	SEG1
ATOM	2026	HG2	GLU	132	-10.818	-9.425	-8.126	1.00	1.77	SEG1
ATOM	2027	CD	GLU	132	-11.152	-9.764	-10.224	1.00	1.29	SEG1
ATOM	2028	OE1	GLU	132	-10.154	-10.430	-10.447	1.00	1.79	SEG1
ATOM	2029	OE2	GLU	132	-11.777	-9.167	-11.088	1.00	1.59	SEG1
ATOM	2030	C	GLU	132	-14.150	-7.366	-6.964	1.00	0.43	SEG1
ATOM	2031	O	GLU	132	-13.732	-6.321	-6.510	1.00	0.42	SEG1
ATOM	2032	N	GLU	133	-15.410	-7.511	-7.280	1.00	0.46	SEG1
ATOM	2033	HN	GLU	133	-15.727	-8.365	-7.645	1.00	0.49	SEG1
ATOM	2034	CA	GLU	133	-16.367	-6.377	-7.082	1.00	0.47	SEG1
ATOM	2035	HA	GLU	133	-16.061	-5.520	-7.660	1.00	0.50	SEG1
ATOM	2036	CB	GLU	133	-17.717	-6.894	-7.586	1.00	0.53	SEG1
ATOM	2037	HB1	GLU	133	-18.493	-6.195	-7.315	1.00	0.71	SEG1
ATOM	2038	HB2	GLU	133	-17.924	-7.855	-7.136	1.00	0.75	SEG1
ATOM	2039	CG	GLU	133	-17.676	-7.041	-9.111	1.00	0.96	SEG1
ATOM	2040	HG1	GLU	133	-16.898	-7.739	-9.381	1.00	1.39	SEG1
ATOM	2041	HG2	GLU	133	-17.465	-6.081	-9.558	1.00	1.25	SEG1
ATOM	2042	CD	GLU	133	-19.025	-7.560	-9.633	1.00	1.18	SEG1
ATOM	2043	OE1	GLU	133	-19.853	-7.956	-8.824	1.00	1.50	SEG1
ATOM	2044	OE2	GLU	133	-19.207	-7.554	-10.840	1.00	1.83	SEG1
ATOM	2045	C	GLU	133	-16.460	-6.017	-5.594	1.00	0.41	SEG1
ATOM	2046	O	GLU	133	-16.538	-4.858	-5.228	1.00	0.41	SEG1
ATOM	2047	N	ARG	134	-16.469	-7.008	-4.738	1.00	0.40	SEG1
ATOM	2048	HN	ARG	134	-16.419	-7.931	-5.065	1.00	0.42	SEG1
ATOM	2049	CA	ARG	134	-16.581	-6.744	-3.268	1.00	0.39	SEG1
ATOM	2050	HA	ARG	134	-17.502	-6.226	-3.058	1.00	0.42	SEG1
ATOM	2051	CB	ARG	134	-16.619	-8.118	-2.603	1.00	0.44	SEG1
ATOM	2052	HB1	ARG	134	-16.526	-8.002	-1.534	1.00	0.68	SEG1
ATOM	2053	HB2	ARG	134	-15.802	-8.720	-2.974	1.00	0.63	SEG1
ATOM	2054	CG	ARG	134	-17.947	-8.802	-2.925	1.00	0.71	SEG1
ATOM	2055	HG1	ARG	134	-18.030	-8.947	-3.991	1.00	1.28	SEG1
ATOM	2056	HG2	ARG	134	-18.764	-8.186	-2.578	1.00	1.12	SEG1
ATOM	2057	CD	ARG	134	-17.992	-10.158	-2.222	1.00	1.16	SEG1
ATOM	2058	HD1	ARG	134	-17.945	-10.023	-1.153	1.00	1.47	SEG1
ATOM	2059	HD2	ARG	134	-17.175	-10.779	-2.559	1.00	1.71	SEG1
ATOM	2060	NE	ARG	134	-19.306	-10.767	-2.603	1.00	1.51	SEG1
ATOM	2061	HE	ARG	134	-19.918	-10.269	-3.186	1.00	1.74	SEG1
ATOM	2062	CZ	ARG	134	-19.655	-11.965	-2.177	1.00	2.12	SEG1
ATOM	2063	NH1	ARG	134	-20.802	-12.464	-2.549	1.00	2.52	SEG1
ATOM	2064	HH11	ARG	134	-21.405	-11.938	-3.149	1.00	2.52	SEG1
ATOM	2065	HH12	ARG	134	-21.078	-13.372	-2.234	1.00	3.06	SEG1
ATOM	2066	NH2	ARG	134	-18.878	-12.667	-1.383	1.00	2.76	SEG1

FIG. 2 (28 of 35)

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ATOM   2067 HH21 ARG   134     -17.998 -12.302  -1.083  1.00  2.75      SEG1
ATOM   2068 HH22 ARG   134     -19.169 -13.573  -1.077  1.00  3.44      SEG1
ATOM   2069  C   ARG   134     -15.395  -5.931  -2.734  1.00  0.34      SEG1
ATOM   2070  O   ARG   134     -15.571  -5.067  -1.895  1.00  0.36      SEG1
ATOM   2071  N   CYS   135     -14.188  -6.202  -3.184  1.00  0.33      SEG1
ATOM   2072  HN  CYS   135     -14.056  -6.911  -3.848  1.00  0.34      SEG1
ATOM   2073  CA  CYS   135     -13.012  -5.435  -2.655  1.00  0.31      SEG1
ATOM   2074  HA  CYS   135     -12.925  -5.615  -1.594  1.00  0.32      SEG1
ATOM   2075  CB  CYS   135     -11.763  -6.017  -3.370  1.00  0.35      SEG1
ATOM   2076  HB1 CYS   135     -11.888  -7.086  -3.473  1.00  0.38      SEG1
ATOM   2077  HB2 CYS   135     -10.893  -5.826  -2.763  1.00  0.37      SEG1
ATOM   2078  SG  CYS   135     -11.491  -5.291  -5.018  1.00  0.41      SEG1
ATOM   2079  HG  CYS   135     -10.551  -5.117  -5.113  1.00  0.98      SEG1
ATOM   2080  C   CYS   135     -13.203  -3.927  -2.892  1.00  0.31      SEG1
ATOM   2081  O   CYS   135     -12.861  -3.112  -2.056  1.00  0.32      SEG1
ATOM   2082  N   LEU   136     -13.754  -3.560  -4.022  1.00  0.34      SEG1
ATOM   2083  HN  LEU   136     -14.026  -4.240  -4.675  1.00  0.36      SEG1
ATOM   2084  CA  LEU   136     -13.977  -2.111  -4.312  1.00  0.39      SEG1
ATOM   2085  HA  LEU   136     -13.043  -1.573  -4.293  1.00  0.41      SEG1
ATOM   2086  CB  LEU   136     -14.578  -2.074  -5.720  1.00  0.44      SEG1
ATOM   2087  HB1 LEU   136     -14.869  -1.063  -5.962  1.00  0.48      SEG1
ATOM   2088  HB2 LEU   136     -15.445  -2.718  -5.757  1.00  0.44      SEG1
ATOM   2089  CG  LEU   136     -13.538  -2.559  -6.730  1.00  0.46      SEG1
ATOM   2090  HG  LEU   136     -13.158  -3.522  -6.420  1.00  0.44      SEG1
ATOM   2091  CD1 LEU   136     -14.188  -2.690  -8.109  1.00  0.54      SEG1
ATOM   2092 HD11 LEU   136     -14.407  -1.707  -8.498  1.00  1.21      SEG1
ATOM   2093 HD12 LEU   136     -15.104  -3.256  -8.022  1.00  1.19      SEG1
ATOM   2094 HD13 LEU   136     -13.511  -3.201  -8.778  1.00  1.03      SEG1
ATOM   2095  CD2 LEU   136     -12.388  -1.553  -6.802  1.00  0.49      SEG1
ATOM   2096 HD21 LEU   136     -11.833  -1.575  -5.875  1.00  1.08      SEG1
ATOM   2097 HD22 LEU   136     -12.785  -0.562  -6.960  1.00  1.12      SEG1
ATOM   2098 HD23 LEU   136     -11.732  -1.813  -7.620  1.00  1.19      SEG1
ATOM   2099  C   LEU   136     -14.959  -1.519  -3.296  1.00  0.39      SEG1
ATOM   2100  O   LEU   136     -14.768  -0.426  -2.797  1.00  0.43      SEG1
ATOM   2101  N   SER   137     -16.009  -2.240  -2.989  1.00  0.38      SEG1
ATOM   2102  HN  SER   137     -16.134  -3.118  -3.410  1.00  0.37      SEG1
ATOM   2103  CA  SER   137     -17.017  -1.733  -2.003  1.00  0.43      SEG1
ATOM   2104  HA  SER   137     -17.464  -0.822  -2.363  1.00  0.48      SEG1
ATOM   2105  CB  SER   137     -18.078  -2.830  -1.911  1.00  0.48      SEG1
ATOM   2106  HB1 SER   137     -18.773  -2.591  -1.117  1.00  1.02      SEG1
ATOM   2107  HB2 SER   137     -17.605  -3.775  -1.698  1.00  1.21      SEG1
ATOM   2108  OG  SER   137     -18.768  -2.922  -3.150  1.00  1.35      SEG1
ATOM   2109  HG  SER   137     -18.239  -3.459  -3.745  1.00  1.57      SEG1
ATOM   2110  C   SER   137     -16.371  -1.502  -0.633  1.00  0.41      SEG1
ATOM   2111  O   SER   137     -16.674  -0.542   0.050  1.00  0.46      SEG1
ATOM   2112  N   CYS   138     -15.499  -2.386  -0.225  1.00  0.36      SEG1
ATOM   2113  HN  CYS   138     -15.285  -3.154  -0.795  1.00  0.35      SEG1
ATOM   2114  CA  CYS   138     -14.839  -2.239   1.111  1.00  0.37      SEG1
ATOM   2115  HA  CYS   138     -15.576  -2.070   1.877  1.00  0.42      SEG1
ATOM   2116  CB  CYS   138     -14.131  -3.571   1.358  1.00  0.39      SEG1
ATOM   2117  HB1 CYS   138     -13.360  -3.435   2.101  1.00  0.40      SEG1
ATOM   2118  HB2 CYS   138     -13.685  -3.917   0.436  1.00  0.38      SEG1
ATOM   2119  SG  CYS   138     -15.330  -4.793   1.944  1.00  0.46      SEG1
ATOM   2120  HG  CYS   138     -15.160  -4.953   2.875  1.00  0.97      SEG1
ATOM   2121  C   CYS   138     -13.819  -1.102   1.096  1.00  0.35      SEG1
ATOM   2122  O   CYS   138     -13.814  -0.249   1.964  1.00  0.40      SEG1
ATOM   2123  N   ILE   139     -12.950  -1.094   0.123  1.00  0.33      SEG1
ATOM   2124  HN  ILE   139     -12.979  -1.798  -0.557  1.00  0.33      SEG1
ATOM   2125  CA  ILE   139     -11.913  -0.019   0.049  1.00  0.35      SEG1
ATOM   2126  HA  ILE   139     -11.300  -0.030   0.938  1.00  0.37      SEG1
ATOM   2127  CB  ILE   139     -11.060  -0.363  -1.178  1.00  0.37      SEG1
ATOM   2128  HB  ILE   139     -11.686  -0.387  -2.059  1.00  0.39      SEG1
ATOM   2129  CG1 ILE   139     -10.397  -1.729  -0.980  1.00  0.37      SEG1
ATOM   2130 HG11 ILE   139     -11.136  -2.454  -0.677  1.00  0.35      SEG1
ATOM   2131 HG12 ILE   139      -9.635  -1.651  -0.218  1.00  0.40      SEG1
ATOM   2132  CG2 ILE   139      -9.968   0.694  -1.355  1.00  0.43      SEG1
ATOM   2133 HG21 ILE   139     -10.413   1.677  -1.347  1.00  1.04      SEG1
ATOM   2134 HG22 ILE   139      -9.462   0.535  -2.296  1.00  1.13      SEG1
ATOM   2135 HG23 ILE   139      -9.257   0.613  -0.546  1.00  1.14      SEG1
ATOM   2136  CD1 ILE   139      -9.757  -2.175  -2.295  1.00  0.44      SEG1
ATOM   2137 HD11 ILE   139      -8.882  -2.772  -2.088  1.00  1.04      SEG1
ATOM   2138 HD12 ILE   139      -9.473  -1.305  -2.869  1.00  1.04      SEG1
ATOM   2139 HD13 ILE   139     -10.468  -2.761  -2.859  1.00  1.12      SEG1
ATOM   2140  C   ILE   139     -12.584   1.351  -0.113  1.00  0.42      SEG1
ATOM   2141  O   ILE   139     -12.169   2.323   0.490  1.00  0.49      SEG1
ATOM   2142  N   LEU   140     -13.614   1.435  -0.918  1.00  0.44      SEG1
ATOM   2143  HN  LEU   140     -13.932   0.638  -1.393  1.00  0.41      SEG1
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ATOM	2144	CA	LEU	140	-14.306	2.745	-1.114	1.00	0.55	SEG1
ATOM	2145	HA	LEU	140	-13.576	3.535	-1.113	1.00	0.57	SEG1
ATOM	2146	CB	LEU	140	-14.942	2.645	-2.525	1.00	0.64	SEG1
ATOM	2147	HB1	LEU	140	-14.431	1.871	-3.076	1.00	0.65	SEG1
ATOM	2148	HB2	LEU	140	-14.805	3.585	-3.041	1.00	0.87	SEG1
ATOM	2149	CG	LEU	140	-16.445	2.313	-2.473	1.00	0.63	SEG1
ATOM	2150	HG	LEU	140	-16.635	1.638	-1.651	1.00	0.60	SEG1
ATOM	2151	CD1	LEU	140	-17.251	3.602	-2.271	1.00	0.95	SEG1
ATOM	2152	HD11	LEU	140	-16.602	4.380	-1.896	1.00	1.34	SEG1
ATOM	2153	HD12	LEU	140	-18.043	3.422	-1.558	1.00	1.62	SEG1
ATOM	2154	HD13	LEU	140	-17.679	3.915	-3.212	1.00	1.37	SEG1
ATOM	2155	CD2	LEU	140	-16.862	1.649	-3.788	1.00	0.62	SEG1
ATOM	2156	HD21	LEU	140	-17.839	1.204	-3.673	1.00	1.13	SEG1
ATOM	2157	HD22	LEU	140	-16.146	0.884	-4.048	1.00	1.26	SEG1
ATOM	2158	HD23	LEU	140	-16.895	2.391	-4.572	1.00	1.20	SEG1
ATOM	2159	C	LEU	140	-15.323	3.001	0.020	1.00	0.59	SEG1
ATOM	2160	O	LEU	140	-15.806	4.106	0.184	1.00	0.71	SEG1
ATOM	2161	N	ALA	141	-15.638	1.997	0.805	1.00	0.54	SEG1
ATOM	2162	HN	ALA	141	-15.231	1.117	0.664	1.00	0.47	SEG1
ATOM	2163	CA	ALA	141	-16.605	2.196	1.928	1.00	0.63	SEG1
ATOM	2164	HA	ALA	141	-17.502	2.676	1.571	1.00	0.73	SEG1
ATOM	2165	CB	ALA	141	-16.931	0.790	2.436	1.00	0.67	SEG1
ATOM	2166	HB1	ALA	141	-16.138	0.112	2.153	1.00	1.22	SEG1
ATOM	2167	HB2	ALA	141	-17.862	0.457	2.001	1.00	1.22	SEG1
ATOM	2168	HB3	ALA	141	-17.022	0.807	3.511	1.00	1.18	SEG1
ATOM	2169	C	ALA	141	-15.958	3.032	3.040	1.00	0.61	SEG1
ATOM	2170	O	ALA	141	-16.639	3.641	3.844	1.00	0.65	SEG1
ATOM	2171	N	GLN	142	-14.646	3.066	3.090	1.00	0.61	SEG1
ATOM	2172	HN	GLN	142	-14.118	2.569	2.433	1.00	0.64	SEG1
ATOM	2173	CA	GLN	142	-13.951	3.862	4.144	1.00	0.64	SEG1
ATOM	2174	HA	GLN	142	-14.603	4.024	4.987	1.00	0.70	SEG1
ATOM	2175	CB	GLN	142	-12.756	3.000	4.564	1.00	0.65	SEG1
ATOM	2176	HB1	GLN	142	-12.100	3.577	5.197	1.00	1.05	SEG1
ATOM	2177	HB2	GLN	142	-12.217	2.678	3.682	1.00	1.01	SEG1
ATOM	2178	CG	GLN	142	-13.256	1.772	5.332	1.00	1.11	SEG1
ATOM	2179	HG1	GLN	142	-14.028	1.279	4.761	1.00	1.54	SEG1
ATOM	2180	HG2	GLN	142	-13.658	2.085	6.285	1.00	1.56	SEG1
ATOM	2181	CD	GLN	142	-12.096	0.798	5.563	1.00	1.13	SEG1
ATOM	2182	OE1	GLN	142	-11.089	0.860	4.887	1.00	0.88	SEG1
ATOM	2183	NE2	GLN	142	-12.200	-0.110	6.496	1.00	1.49	SEG1
ATOM	2184	HE21	GLN	142	-13.014	-0.163	7.039	1.00	1.77	SEG1
ATOM	2185	HE22	GLN	142	-11.464	-0.737	6.653	1.00	1.52	SEG1
ATOM	2186	C	GLN	142	-13.480	5.202	3.566	1.00	0.65	SEG1
ATOM	2187	O	GLN	142	-12.790	5.247	2.566	1.00	0.65	SEG1
ATOM	2188	N	GLN	143	-13.855	6.292	4.190	1.00	0.74	SEG1
ATOM	2189	HN	GLN	143	-14.414	6.225	4.992	1.00	0.80	SEG1
ATOM	2190	CA	GLN	143	-13.439	7.636	3.682	1.00	0.83	SEG1
ATOM	2191	HA	GLN	143	-13.555	7.684	2.611	1.00	0.85	SEG1
ATOM	2192	CB	GLN	143	-14.388	8.631	4.353	1.00	0.97	SEG1
ATOM	2193	HB1	GLN	143	-14.037	9.637	4.178	1.00	1.46	SEG1
ATOM	2194	HB2	GLN	143	-14.416	8.439	5.416	1.00	1.09	SEG1
ATOM	2195	CG	GLN	143	-15.793	8.476	3.769	1.00	1.27	SEG1
ATOM	2196	HG1	GLN	143	-16.159	7.480	3.968	1.00	1.58	SEG1
ATOM	2197	HG2	GLN	143	-15.760	8.642	2.701	1.00	1.81	SEG1
ATOM	2198	CD	GLN	143	-16.727	9.499	4.417	1.00	1.60	SEG1
ATOM	2199	OE1	GLN	143	-16.864	9.534	5.624	1.00	1.78	SEG1
ATOM	2200	NE2	GLN	143	-17.377	10.343	3.663	1.00	2.32	SEG1
ATOM	2201	HE21	GLN	143	-17.265	10.317	2.689	1.00	2.64	SEG1
ATOM	2202	HE22	GLN	143	-17.978	11.002	4.070	1.00	2.75	SEG1
ATOM	2203	C	GLN	143	-11.984	7.936	4.075	1.00	0.85	SEG1
ATOM	2204	O	GLN	143	-11.506	7.443	5.078	1.00	0.92	SEG1
ATOM	2205	N	PRO	144	-11.317	8.740	3.272	1.00	0.88	SEG1
ATOM	2206	CA	PRO	144	-9.905	9.093	3.561	1.00	0.95	SEG1
ATOM	2207	HA	PRO	144	-9.322	8.206	3.736	1.00	1.00	SEG1
ATOM	2208	CB	PRO	144	-9.435	9.784	2.283	1.00	1.01	SEG1
ATOM	2209	HB1	PRO	144	-8.960	9.074	1.624	1.00	1.08	SEG1
ATOM	2210	HB2	PRO	144	-8.757	10.592	2.522	1.00	1.06	SEG1
ATOM	2211	CG	PRO	144	-10.680	10.315	1.651	1.00	1.03	SEG1
ATOM	2212	HG1	PRO	144	-10.574	10.327	0.577	1.00	1.13	SEG1
ATOM	2213	HG2	PRO	144	-10.882	11.313	2.015	1.00	1.06	SEG1
ATOM	2214	CD	PRO	144	-11.798	9.385	2.039	1.00	0.96	SEG1
ATOM	2215	HD2	PRO	144	-12.705	9.943	2.228	1.00	1.00	SEG1
ATOM	2216	HD1	PRO	144	-11.958	8.644	1.273	1.00	1.01	SEG1
ATOM	2217	C	PRO	144	-9.821	10.047	4.759	1.00	0.99	SEG1
ATOM	2218	O	PRO	144	-10.815	10.594	5.199	1.00	1.45	SEG1
ATOM	2219	N	ASP	145	-8.638	10.250	5.283	1.00	0.92	SEG1
ATOM	2220	HN	ASP	145	-7.856	9.800	4.904	1.00	1.14	SEG1

ATOM	2221	CA	ASP	145	-8.471	11.168	6.448	1.00	1.02	SEG1
ATOM	2222	HA	ASP	145	-9.243	11.921	6.450	1.00	1.13	SEG1
ATOM	2223	CB	ASP	145	-8.605	10.277	7.683	1.00	1.23	SEG1
ATOM	2224	HB1	ASP	145	-7.754	9.617	7.744	1.00	1.40	SEG1
ATOM	2225	HB2	ASP	145	-9.511	9.693	7.607	1.00	1.68	SEG1
ATOM	2226	CG	ASP	145	-8.663	11.150	8.938	1.00	1.86	SEG1
ATOM	2227	OD1	ASP	145	-9.712	11.193	9.559	1.00	2.54	SEG1
ATOM	2228	OD2	ASP	145	-7.656	11.761	9.257	1.00	2.40	SEG1
ATOM	2229	C	ASP	145	-7.086	11.818	6.405	1.00	0.94	SEG1
ATOM	2230	O	ASP	145	-6.127	11.296	6.943	1.00	0.94	SEG1
ATOM	2231	N	ARG	146	-6.980	12.951	5.763	1.00	1.05	SEG1
ATOM	2232	HN	ARG	146	-7.770	13.341	5.337	1.00	1.19	SEG1
ATOM	2233	CA	ARG	146	-5.662	13.650	5.669	1.00	1.10	SEG1
ATOM	2234	HA	ARG	146	-4.856	12.934	5.648	1.00	1.16	SEG1
ATOM	2235	CB	ARG	146	-5.720	14.400	4.339	1.00	1.42	SEG1
ATOM	2236	HB1	ARG	146	-4.879	15.074	4.269	1.00	1.92	SEG1
ATOM	2237	HB2	ARG	146	-6.639	14.965	4.287	1.00	1.98	SEG1
ATOM	2238	CG	ARG	146	-5.668	13.403	3.181	1.00	1.52	SEG1
ATOM	2239	HG1	ARG	146	-6.469	12.687	3.283	1.00	1.96	SEG1
ATOM	2240	HG2	ARG	146	-4.719	12.886	3.193	1.00	1.91	SEG1
ATOM	2241	CD	ARG	146	-5.826	14.157	1.858	1.00	1.77	SEG1
ATOM	2242	HD1	ARG	146	-6.739	14.730	1.864	1.00	2.23	SEG1
ATOM	2243	HD2	ARG	146	-5.818	13.463	1.028	1.00	1.99	SEG1
ATOM	2244	NE	ARG	146	-4.645	15.074	1.789	1.00	2.23	SEG1
ATOM	2245	HE	ARG	146	-3.845	14.864	2.315	1.00	2.67	SEG1
ATOM	2246	CZ	ARG	146	-4.656	16.158	1.037	1.00	2.70	SEG1
ATOM	2247	NH1	ARG	146	-3.598	16.921	1.010	1.00	3.55	SEG1
ATOM	2248	HH11	ARG	146	-2.794	16.682	1.556	1.00	3.97	SEG1
ATOM	2249	HH12	ARG	146	-3.590	17.746	0.443	1.00	3.99	SEG1
ATOM	2250	NH2	ARG	146	-5.703	16.487	0.313	1.00	2.82	SEG1
ATOM	2251	HH21	ARG	146	-6.522	15.917	0.317	1.00	2.74	SEG1
ATOM	2252	HH22	ARG	146	-5.679	17.317	-0.245	1.00	3.37	SEG1
ATOM	2253	C	ARG	146	-5.469	14.641	6.829	1.00	0.99	SEG1
ATOM	2254	O	ARG	146	-4.407	15.215	6.981	1.00	0.96	SEG1
ATOM	2255	N	LEU	147	-6.480	14.856	7.640	1.00	1.03	SEG1
ATOM	2256	HN	LEU	147	-7.330	14.391	7.500	1.00	1.10	SEG1
ATOM	2257	CA	LEU	147	-6.336	15.821	8.777	1.00	1.07	SEG1
ATOM	2258	HA	LEU	147	-6.140	16.813	8.406	1.00	1.17	SEG1
ATOM	2259	CB	LEU	147	-7.683	15.794	9.504	1.00	1.28	SEG1
ATOM	2260	HB1	LEU	147	-7.603	16.343	10.431	1.00	1.65	SEG1
ATOM	2261	HB2	LEU	147	-7.958	14.770	9.716	1.00	1.48	SEG1
ATOM	2262	CG	LEU	147	-8.755	16.439	8.625	1.00	1.81	SEG1
ATOM	2263	HG	LEU	147	-8.746	15.975	7.649	1.00	2.37	SEG1
ATOM	2264	CD1	LEU	147	-10.128	16.239	9.268	1.00	2.27	SEG1
ATOM	2265	HD11	LEU	147	-10.862	16.833	8.743	1.00	2.67	SEG1
ATOM	2266	HD12	LEU	147	-10.089	16.548	10.302	1.00	2.60	SEG1
ATOM	2267	HD13	LEU	147	-10.403	15.197	9.214	1.00	2.67	SEG1
ATOM	2268	CD2	LEU	147	-8.471	17.936	8.485	1.00	2.31	SEG1
ATOM	2269	HD21	LEU	147	-9.400	18.467	8.341	1.00	2.50	SEG1
ATOM	2270	HD22	LEU	147	-7.827	18.103	7.634	1.00	2.84	SEG1
ATOM	2271	HD23	LEU	147	-7.985	18.296	9.380	1.00	2.68	SEG1
ATOM	2272	C	LEU	147	-5.217	15.372	9.720	1.00	0.95	SEG1
ATOM	2273	O	LEU	147	-4.415	16.168	10.171	1.00	1.02	SEG1
ATOM	2274	N	ARG	148	-5.166	14.103	10.020	1.00	0.90	SEG1
ATOM	2275	HN	ARG	148	-5.829	13.489	9.643	1.00	0.90	SEG1
ATOM	2276	CA	ARG	148	-4.108	13.582	10.939	1.00	1.02	SEG1
ATOM	2277	HA	ARG	148	-3.994	14.241	11.785	1.00	1.19	SEG1
ATOM	2278	CB	ARG	148	-4.616	12.221	11.414	1.00	1.08	SEG1
ATOM	2279	HB1	ARG	148	-3.828	11.707	11.943	1.00	1.58	SEG1
ATOM	2280	HB2	ARG	148	-4.920	11.632	10.560	1.00	1.16	SEG1
ATOM	2281	CG	ARG	148	-5.809	12.416	12.349	1.00	1.69	SEG1
ATOM	2282	HG1	ARG	148	-6.602	12.921	11.818	1.00	2.05	SEG1
ATOM	2283	HG2	ARG	148	-5.507	13.011	13.198	1.00	2.34	SEG1
ATOM	2284	CD	ARG	148	-6.309	11.052	12.827	1.00	1.94	SEG1
ATOM	2285	HD1	ARG	148	-5.530	10.532	13.364	1.00	2.37	SEG1
ATOM	2286	HD2	ARG	148	-6.650	10.461	11.987	1.00	2.25	SEG1
ATOM	2287	NE	ARG	148	-7.443	11.363	13.746	1.00	2.31	SEG1
ATOM	2288	HE	ARG	148	-8.363	11.204	13.446	1.00	2.69	SEG1
ATOM	2289	CZ	ARG	148	-7.232	11.843	14.957	1.00	2.75	SEG1
ATOM	2290	NH1	ARG	148	-8.253	12.092	15.731	1.00	3.51	SEG1
ATOM	2291	HH11	ARG	148	-9.181	11.918	15.404	1.00	3.86	SEG1
ATOM	2292	HH12	ARG	148	-8.106	12.458	16.650	1.00	3.96	SEG1
ATOM	2293	NH2	ARG	148	-6.018	12.081	15.402	1.00	2.95	SEG1
ATOM	2294	HH21	ARG	148	-5.222	11.899	14.825	1.00	2.88	SEG1
ATOM	2295	HH22	ARG	148	-5.890	12.446	16.324	1.00	3.50	SEG1
ATOM	2296	C	ARG	148	-2.769	13.418	10.215	1.00	1.06	SEG1
ATOM	2297	O	ARG	148	-1.730	13.342	10.844	1.00	1.28	SEG1

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ATOM	2298	N	ASP	149	-2.782	13.330	8.909	1.00	1.01	SEG1
ATOM	2299	HN	ASP	149	-3.631	13.370	8.423	1.00	0.94	SEG1
ATOM	2300	CA	ASP	149	-1.501	13.135	8.164	1.00	1.21	SEG1
ATOM	2301	HA	ASP	149	-0.688	12.999	8.859	1.00	1.42	SEG1
ATOM	2302	CB	ASP	149	-1.708	11.849	7.361	1.00	1.48	SEG1
ATOM	2303	HB1	ASP	149	-0.862	11.692	6.711	1.00	1.86	SEG1
ATOM	2304	HB2	ASP	149	-2.606	11.938	6.767	1.00	1.80	SEG1
ATOM	2305	CG	ASP	149	-1.843	10.655	8.316	1.00	1.62	SEG1
ATOM	2306	OD1	ASP	149	-2.324	9.624	7.874	1.00	2.12	SEG1
ATOM	2307	OD2	ASP	149	-1.471	10.790	9.473	1.00	2.10	SEG1
ATOM	2308	C	ASP	149	-1.205	14.314	7.233	1.00	1.03	SEG1
ATOM	2309	O	ASP	149	-0.684	14.133	6.147	1.00	0.90	SEG1
ATOM	2310	N	GLU	150	-1.521	15.516	7.646	1.00	1.07	SEG1
ATOM	2311	HN	GLU	150	-1.934	15.638	8.527	1.00	1.23	SEG1
ATOM	2312	CA	GLU	150	-1.242	16.703	6.776	1.00	0.95	SEG1
ATOM	2313	HA	GLU	150	-1.797	16.629	5.855	1.00	0.95	SEG1
ATOM	2314	CB	GLU	150	-1.718	17.917	7.574	1.00	1.11	SEG1
ATOM	2315	HB1	GLU	150	-1.378	18.821	7.092	1.00	1.44	SEG1
ATOM	2316	HB2	GLU	150	-1.315	17.869	8.576	1.00	1.75	SEG1
ATOM	2317	CG	GLU	150	-3.246	17.919	7.638	1.00	1.35	SEG1
ATOM	2318	HG1	GLU	150	-3.589	17.017	8.120	1.00	1.98	SEG1
ATOM	2319	HG2	GLU	150	-3.646	17.968	6.635	1.00	1.71	SEG1
ATOM	2320	CD	GLU	150	-3.720	19.135	8.436	1.00	1.41	SEG1
ATOM	2321	OE1	GLU	150	-3.787	19.033	9.650	1.00	1.66	SEG1
ATOM	2322	OE2	GLU	150	-4.008	20.148	7.819	1.00	1.91	SEG1
ATOM	2323	C	GLU	150	0.260	16.808	6.485	1.00	0.77	SEG1
ATOM	2324	O	GLU	150	0.661	17.120	5.380	1.00	0.66	SEG1
ATOM	2325	N	GLU	151	1.092	16.546	7.466	1.00	0.79	SEG1
ATOM	2326	HN	GLU	151	0.744	16.293	8.347	1.00	0.90	SEG1
ATOM	2327	CA	GLU	151	2.571	16.627	7.239	1.00	0.70	SEG1
ATOM	2328	HA	GLU	151	2.853	17.630	6.967	1.00	0.73	SEG1
ATOM	2329	CB	GLU	151	3.216	16.244	8.573	1.00	0.82	SEG1
ATOM	2330	HB1	GLU	151	4.279	16.114	8.434	1.00	1.27	SEG1
ATOM	2331	HB2	GLU	151	2.783	15.321	8.931	1.00	1.15	SEG1
ATOM	2332	CG	GLU	151	2.971	17.356	9.600	1.00	1.41	SEG1
ATOM	2333	HG1	GLU	151	1.909	17.490	9.736	1.00	1.98	SEG1
ATOM	2334	HG2	GLU	151	3.404	18.277	9.239	1.00	1.90	SEG1
ATOM	2335	CD	GLU	151	3.613	16.988	10.948	1.00	1.66	SEG1
ATOM	2336	OE1	GLU	151	3.401	17.725	11.898	1.00	2.04	SEG1
ATOM	2337	OE2	GLU	151	4.305	15.982	11.012	1.00	2.22	SEG1
ATOM	2338	C	GLU	151	2.990	15.643	6.144	1.00	0.54	SEG1
ATOM	2339	O	GLU	151	3.816	15.950	5.305	1.00	0.48	SEG1
ATOM	2340	N	LEU	152	2.415	14.468	6.142	1.00	0.54	SEG1
ATOM	2341	HN	LEU	152	1.747	14.252	6.825	1.00	0.63	SEG1
ATOM	2342	CA	LEU	152	2.764	13.460	5.097	1.00	0.46	SEG1
ATOM	2343	HA	LEU	152	3.830	13.295	5.078	1.00	0.44	SEG1
ATOM	2344	CB	LEU	152	2.046	12.171	5.499	1.00	0.55	SEG1
ATOM	2345	HB1	LEU	152	2.098	11.463	4.686	1.00	0.56	SEG1
ATOM	2346	HB2	LEU	152	1.011	12.390	5.717	1.00	0.63	SEG1
ATOM	2347	CG	LEU	152	2.710	11.569	6.736	1.00	0.59	SEG1
ATOM	2348	HG	LEU	152	2.753	12.310	7.522	1.00	0.62	SEG1
ATOM	2349	CD1	LEU	152	1.897	10.365	7.209	1.00	0.70	SEG1
ATOM	2350	HD11	LEU	152	0.850	10.538	7.013	1.00	1.18	SEG1
ATOM	2351	HD12	LEU	152	2.046	10.223	8.269	1.00	1.17	SEG1
ATOM	2352	HD13	LEU	152	2.222	9.481	6.677	1.00	1.38	SEG1
ATOM	2353	CD2	LEU	152	4.126	11.112	6.379	1.00	0.56	SEG1
ATOM	2354	HD21	LEU	152	4.492	10.443	7.144	1.00	1.07	SEG1
ATOM	2355	HD22	LEU	152	4.777	11.971	6.311	1.00	1.17	SEG1
ATOM	2356	HD23	LEU	152	4.108	10.596	5.430	1.00	1.20	SEG1
ATOM	2357	C	LEU	152	2.278	13.931	3.728	1.00	0.46	SEG1
ATOM	2358	O	LEU	152	2.925	13.708	2.725	1.00	0.46	SEG1
ATOM	2359	N	ALA	153	1.138	14.577	3.682	1.00	0.54	SEG1
ATOM	2360	HN	ALA	153	0.636	14.739	4.509	1.00	0.57	SEG1
ATOM	2361	CA	ALA	153	0.599	15.060	2.371	1.00	0.61	SEG1
ATOM	2362	HA	ALA	153	0.408	14.225	1.715	1.00	0.65	SEG1
ATOM	2363	CB	ALA	153	-0.713	15.771	2.711	1.00	0.71	SEG1
ATOM	2364	HB1	ALA	153	-1.536	15.081	2.600	1.00	1.20	SEG1
ATOM	2365	HB2	ALA	153	-0.851	16.609	2.043	1.00	1.25	SEG1
ATOM	2366	HB3	ALA	153	-0.676	16.126	3.730	1.00	1.26	SEG1
ATOM	2367	C	ALA	153	1.587	16.033	1.723	1.00	0.58	SEG1
ATOM	2368	O	ALA	153	1.810	15.997	0.527	1.00	0.63	SEG1
ATOM	2369	N	GLU	154	2.191	16.893	2.502	1.00	0.53	SEG1
ATOM	2370	HN	GLU	154	2.005	16.899	3.464	1.00	0.52	SEG1
ATOM	2371	CA	GLU	154	3.183	17.844	1.924	1.00	0.55	SEG1
ATOM	2372	HA	GLU	154	2.764	18.359	1.073	1.00	0.62	SEG1
ATOM	2373	CB	GLU	154	3.501	18.837	3.044	1.00	0.56	SEG1
ATOM	2374	HB1	GLU	154	4.339	19.451	2.752	1.00	1.06	SEG1

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ATOM	2375	HB2	GLU	154	3.748	18.294	3.945	1.00	0.99	SEG1
ATOM	2376	CG	GLU	154	2.283	19.729	3.300	1.00	1.00	SEG1
ATOM	2377	HG1	GLU	154	1.446	19.112	3.592	1.00	1 52	SEG1
ATOM	2378	HG2	GLU	154	2.034	20.265	2.396	1.00	1.58	SEG1
ATOM	2379	CD	GLU	154	2.583	20.733	4.423	1.00	1.17	SEG1
ATOM	2380	OE1	GLU	154	1.777	21.631	4.612	1.00	1.60	SEG1
ATOM	2381	OE2	GLU	154	3.606	20.591	5.077	1.00	1.77	SEG1
ATOM	2382	C	GLU	154	4.440	17.073	1.518	1.00	0.51	SEG1
ATOM	2383	O	GLU	154	5.039	17.330	0.491	1.00	0.55	SEG1
ATOM	2384	N	LEU	155	4.839	16.127	2.332	1.00	0.45	SEG1
ATOM	2385	HN	LEU	155	4.332	15.950	3.153	1.00	0.44	SEG1
ATOM	2386	CA	LEU	155	6.059	15.323	2.021	1.00	0.43	SEG1
ATOM	2387	HA	LEU	155	6.921	15.964	1.958	1.00	0.47	SEG1
ATOM	2388	CB	LEU	155	6.213	14.356	3.202	1.00	0.40	SEG1
ATOM	2389	HB1	LEU	155	5.335	13.731	3.270	1.00	0.40	SEG1
ATOM	2390	HB2	LEU	155	6.324	14.921	4.116	1.00	0.43	SEG1
ATOM	2391	CG	LEU	155	7.447	13.473	2.994	1.00	0.42	SEG1
ATOM	2392	HG	LEU	155	8.195	14.025	2.445	1.00	0.51	SEG1
ATOM	2393	CD1	LEU	155	8.016	13.060	4.353	1.00	0.42	SEG1
ATOM	2394	HD11	LEU	155	7.475	12.202	4.724	1.00	1.09	SEG1
ATOM	2395	HD12	LEU	155	7.914	13.879	5.050	1.00	1.01	SEG1
ATOM	2396	HD13	LEU	155	9.060	12.808	4.244	1.00	1.13	SEG1
ATOM	2397	CD2	LEU	155	7.054	12.221	2.208	1.00	0.51	SEG1
ATOM	2398	HD21	LEU	155	6.036	11.950	2.447	1.00	1.03	SEG1
ATOM	2399	HD22	LEU	155	7.714	11.408	2.472	1.00	1.18	SEG1
ATOM	2400	HD23	LEU	155	7.134	12.420	1.150	1.00	1.19	SEG1
ATOM	2401	C	LEU	155	5.875	14.554	0.709	1.00	0.46	SEG1
ATOM	2402	O	LEU	155	6.720	14.597	-0.165	1.00	0.51	SEG1
ATOM	2403	N	GLU	156	4.777	13.851	0.568	1.00	0.48	SEG1
ATOM	2404	HN	GLU	156	4.115	13.832	1.289	1.00	0.47	SEG1
ATOM	2405	CA	GLU	156	4.543	13.076	-0.689	1.00	0.55	SEG1
ATOM	2406	HA	GLU	156	5.339	12.362	-0.829	1.00	0.54	SEG1
ATOM	2407	CB	GLU	156	3.215	12.329	-0.491	1.00	0.60	SEG1
ATOM	2408	HB1	GLU	156	3.292	11.687	0.374	1.00	0.58	SEG1
ATOM	2409	HB2	GLU	156	3.011	11.728	-1.365	1.00	0.68	SEG1
ATOM	2410	CG	GLU	156	2.070	13.318	-0.281	1.00	0.64	SEG1
ATOM	2411	HG1	GLU	156	2.015	13.994	-1.120	1.00	0.72	SEG1
ATOM	2412	HG2	GLU	156	2.245	13.874	0.623	1.00	0.57	SEG1
ATOM	2413	CD	GLU	156	0.751	12.553	-0.159	1.00	0.74	SEG1
ATOM	2414	OE1	GLU	156	0.015	12.523	-1.132	1.00	1.30	SEG1
ATOM	2415	OE2	GLU	156	0.500	12.011	0.904	1.00	1.37	SEG1
ATOM	2416	C	GLU	156	4.478	14.025	-1.889	1.00	0.63	SEG1
ATOM	2417	O	GLU	156	4.938	13.700	-2.968	1.00	0.67	SEG1
ATOM	2418	N	ASP	157	3.922	15.199	-1.707	1.00	0.66	SEG1
ATOM	2419	HN	ASP	157	3.566	15.441	-0.826	1.00	0.63	SEG1
ATOM	2420	CA	ASP	157	3.842	16.169	-2.842	1.00	0.76	SEG1
ATOM	2421	HA	ASP	157	3.408	15.697	-3.708	1.00	0.81	SEG1
ATOM	2422	CB	ASP	157	2.940	17.304	-2.351	1.00	0.81	SEG1
ATOM	2423	HB1	ASP	157	2.980	18.123	-3.053	1.00	0.88	SEG1
ATOM	2424	HB2	ASP	157	3.283	17.644	-1.384	1.00	0.76	SEG1
ATOM	2425	CG	ASP	157	1.496	16.805	-2.235	1.00	0.84	SEG1
ATOM	2426	OD1	ASP	157	1.133	15.914	-2.985	1.00	1.26	SEG1
ATOM	2427	OD2	ASP	157	0.778	17.324	-1.397	1.00	1.49	SEG1
ATOM	2428	C	ASP	157	5.237	16.691	-3.171	1.00	0.76	SEG1
ATOM	2429	O	ASP	157	5.597	16.841	-4.323	1.00	0.82	SEG1
ATOM	2430	N	ALA	158	6.029	16.950	-2.165	1.00	0.70	SEG1
ATOM	2431	HN	ALA	158	5.714	16.806	-1.247	1.00	0.66	SEG1
ATOM	2432	CA	ALA	158	7.414	17.444	-2.412	1.00	0.74	SEG1
ATOM	2433	HA	ALA	158	7.396	18.312	-3.051	1.00	0.82	SEG1
ATOM	2434	CB	ALA	158	7.969	17.814	-1.034	1.00	0.72	SEG1
ATOM	2435	HB1	ALA	158	7.160	18.133	-0.394	1.00	1.34	SEG1
ATOM	2436	HB2	ALA	158	8.684	18.617	-1.138	1.00	1.21	SEG1
ATOM	2437	HB3	ALA	158	8.455	16.954	-0.599	1.00	1.17	SEG1
ATOM	2438	C	ALA	158	8.240	16.325	-3.050	1.00	0.70	SEG1
ATOM	2439	O	ALA	158	9.052	16.559	-3.926	1.00	0.77	SEG1
ATOM	2440	N	LEU	159	8.031	15.103	-2.612	1.00	0.62	SEG1
ATOM	2441	HN	LEU	159	7.369	14.957	-1.905	1.00	0.58	SEG1
ATOM	2442	CA	LEU	159	8.797	13.956	-3.181	1.00	0.60	SEG1
ATOM	2443	HA	LEU	159	9.850	14.072	-2.989	1.00	0.63	SEG1
ATOM	2444	CB	LEU	159	8.265	12.717	-2.448	1.00	0.53	SEG1
ATOM	2445	HB1	LEU	159	7.206	12.617	-2.633	1.00	0.53	SEG1
ATOM	2446	HB2	LEU	159	8.437	12.825	-1.388	1.00	0.51	SEG1
ATOM	2447	CG	LEU	159	8.988	11.465	-2.956	1.00	0.54	SEG1
ATOM	2448	HG	LEU	159	8.963	11.453	-4.037	1.00	0.65	SEG1
ATOM	2449	CD1	LEU	159	10.446	11.479	-2.482	1.00	0.76	SEG1
ATOM	2450	HD11	LEU	159	10.731	12.485	-2.214	1.00	1.37	SEG1
ATOM	2451	HD12	LEU	159	11.086	11.124	-3.276	1.00	1.37	SEG1

ATOM	2452	HD13	LEU	159	10.552	10.835	-1.621	1.00	1.16	SEG1
ATOM	2453	CD2	LEU	159	8.283	10.221	-2.416	1.00	0.58	SEG1
ATOM	2454	HD21	LEU	159	8.485	10.124	-1.360	1.00	1.22	SEG1
ATOM	2455	HD22	LEU	159	8.647	9.347	-2.935	1.00	1.13	SEG1
ATOM	2456	HD23	LEU	159	7.218	10.315	-2.572	1.00	1.21	SEG1
ATOM	2457	C	LEU	159	8.534	13.836	-4.688	1.00	0.67	SEG1
ATOM	2458	O	LEU	159	9.438	13.579	-5.460	1.00	0.71	SEG1
ATOM	2459	N	ARG	160	7.303	14.018	-5.111	1.00	0.70	SEG1
ATOM	2460	HN	ARG	160	6.589	14.224	-4.467	1.00	0.68	SEG1
ATOM	2461	CA	ARG	160	6.988	13.912	-6.572	1.00	0.80	SEG1
ATOM	2462	HA	ARG	160	7.205	12.921	-6.932	1.00	0.80	SEG1
ATOM	2463	CB	ARG	160	5.486	14.197	-6.687	1.00	0.86	SEG1
ATOM	2464	HB1	ARG	160	5.277	15.186	-6.310	1.00	1.08	SEG1
ATOM	2465	HB2	ARG	160	4.938	13.467	-6.108	1.00	1.05	SEG1
ATOM	2466	CG	ARG	160	5.054	14.112	-8.156	1.00	1.22	SEG1
ATOM	2467	HG1	ARG	160	5.258	13.121	-8.533	1.00	1.67	SEG1
ATOM	2468	HG2	ARG	160	5.604	14.839	-8.736	1.00	1.51	SEG1
ATOM	2469	CD	ARG	160	3.552	14.396	-8.264	1.00	1.41	SEG1
ATOM	2470	HD1	ARG	160	3.334	15.392	-7.911	1.00	1.63	SEG1
ATOM	2471	HD2	ARG	160	2.992	13.665	-7.699	1.00	1.87	SEG1
ATOM	2472	NE	ARG	160	3.230	14.290	-9.723	1.00	1.88	SEG1
ATOM	2473	HE	ARG	160	3.876	13.872	-10.330	1.00	2.40	SEG1
ATOM	2474	CZ	ARG	160	2.091	14.750	-10.208	1.00	2.25	SEG1
ATOM	2475	NH1	ARG	160	1.851	14.638	-11.487	1.00	3.04	SEG1
ATOM	2476	HH11	ARG	160	2.525	14.208	-12.087	1.00	3.44	SEG1
ATOM	2477	HH12	ARG	160	0.992	14.983	-11.865	1.00	3.46	SEG1
ATOM	2478	NH2	ARG	160	1.193	15.318	-9.436	1.00	2.40	SEG1
ATOM	2479	HH21	ARG	160	1.357	15.414	-8.455	1.00	2.30	SEG1
ATOM	2480	HH22	ARG	160	0.340	15.656	-9.833	1.00	2.98	SEG1
ATOM	2481	C	ARG	160	7.800	14.953	-7.354	1.00	0.90	SEG1
ATOM	2482	O	ARG	160	8.332	14.673	-8.412	1.00	0.97	SEG1
ATOM	2483	N	ASN	161	7.904	16.145	-6.827	1.00	0.92	SEG1
ATOM	2484	HN	ASN	161	7.470	16.332	-5.969	1.00	0.87	SEG1
ATOM	2485	CA	ASN	161	8.690	17.214	-7.516	1.00	1.04	SEG1
ATOM	2486	HA	ASN	161	8.312	17.378	-8.511	1.00	1.11	SEG1
ATOM	2487	CB	ASN	161	8.495	18.472	-6.666	1.00	1.08	SEG1
ATOM	2488	HB1	ASN	161	9.172	19.244	-7.002	1.00	1.35	SEG1
ATOM	2489	HB2	ASN	161	8.697	18.241	-5.631	1.00	1.08	SEG1
ATOM	2490	CG	ASN	161	7.053	18.966	-6.806	1.00	1.59	SEG1
ATOM	2491	OD1	ASN	161	6.414	18.733	-7.812	1.00	2.33	SEG1
ATOM	2492	ND2	ASN	161	6.510	19.642	-5.831	1.00	1.73	SEG1
ATOM	2493	HD21	ASN	161	7.024	19.827	-5.017	1.00	1.70	SEG1
ATOM	2494	HD22	ASN	161	5.588	19.967	-5.913	1.00	2.23	SEG1
ATOM	2495	C	ASN	161	10.169	16.820	-7.563	1.00	1.05	SEG1
ATOM	2496	O	ASN	161	10.850	17.034	-8.548	1.00	1.13	SEG1
ATOM	2497	N	LEU	162	10.663	16.249	-6.497	1.00	0.97	SEG1
ATOM	2498	HN	LEU	162	10.083	16.096	-5.722	1.00	0.90	SEG1
ATOM	2499	CA	LEU	162	12.099	15.831	-6.451	1.00	1.01	SEG1
ATOM	2500	HA	LEU	162	12.742	16.692	-6.547	1.00	1.10	SEG1
ATOM	2501	CB	LEU	162	12.285	15.190	-5.070	1.00	0.95	SEG1
ATOM	2502	HB1	LEU	162	11.617	14.348	-4.973	1.00	1.27	SEG1
ATOM	2503	HB2	LEU	162	12.059	15.918	-4.305	1.00	1.20	SEG1
ATOM	2504	CG	LEU	162	13.732	14.713	-4.908	1.00	1.50	SEG1
ATOM	2505	HG	LEU	162	13.999	14.089	-5.749	1.00	2.22	SEG1
ATOM	2506	CD1	LEU	162	14.672	15.917	-4.852	1.00	1.92	SEG1
ATOM	2507	HD11	LEU	162	15.695	15.573	-4.813	1.00	2.34	SEG1
ATOM	2508	HD12	LEU	162	14.454	16.503	-3.971	1.00	2.30	SEG1
ATOM	2509	HD13	LEU	162	14.531	16.525	-5.732	1.00	2.35	SEG1
ATOM	2510	CD2	LEU	162	13.861	13.906	-3.613	1.00	1.89	SEG1
ATOM	2511	HD21	LEU	162	13.042	13.207	-3.541	1.00	2.44	SEG1
ATOM	2512	HD22	LEU	162	13.837	14.577	-2.766	1.00	2.30	SEG1
ATOM	2513	HD23	LEU	162	14.796	13.366	-3.618	1.00	2.12	SEG1
ATOM	2514	C	LEU	162	12.398	14.813	-7.555	1.00	1.00	SEG1
ATOM	2515	O	LEU	162	13.418	14.886	-8.215	1.00	1.08	SEG1
ATOM	2516	N	LYS	163	11.522	13.861	-7.751	1.00	0.94	SEG1
ATOM	2517	HN	LYS	163	10.711	13.821	-7.201	1.00	0.89	SEG1
ATOM	2518	CA	LYS	163	11.759	12.833	-8.808	1.00	0.96	SEG1
ATOM	2519	HA	LYS	163	12.800	12.550	-8.828	1.00	0.98	SEG1
ATOM	2520	CB	LYS	163	10.900	11.630	-8.406	1.00	0.95	SEG1
ATOM	2521	HB1	LYS	163	9.858	11.914	-8.413	1.00	1.38	SEG1
ATOM	2522	HB2	LYS	163	11.177	11.301	-7.414	1.00	1.07	SEG1
ATOM	2523	CG	LYS	163	11.120	10.491	-9.408	1.00	1.47	SEG1
ATOM	2524	HG1	LYS	163	12.163	10.211	-9.416	1.00	1.90	SEG1
ATOM	2525	HG2	LYS	163	10.830	10.822	-10.395	1.00	2.04	SEG1
ATOM	2526	CD	LYS	163	10.271	9.282	-9.007	1.00	1.66	SEG1
ATOM	2527	HD1	LYS	163	9.224	9.543	-9.061	1.00	1.94	SEG1
ATOM	2528	HD2	LYS	163	10.519	8.991	-7.997	1.00	1.60	SEG1

ATOM	2529	CE	LYS	163	10.552	8.113	-9.956	1.00	2.53	SEG1
ATOM	2530	HE1	LYS	163	11.609	8.036	-10.158	1.00	2.77	SEG1
ATOM	2531	HE2	LYS	163	9.998	8.236	-10.878	1.00	3.08	SEG1
ATOM	2532	NZ	LYS	163	10.082	6.907	-9.219	1.00	3.06	SEG1
ATOM	2533	HZ1	LYS	163	9.068	7.001	-9.011	1.00	3.11	SEG1
ATOM	2534	HZ2	LYS	163	10.613	6.819	-8.328	1.00	3.52	SEG1
ATOM	2535	HZ3	LYS	163	10.237	6.061	-9.802	1.00	3.54	SEG1
ATOM	2536	C	LYS	163	11.325	13.370	-10.172	1.00	1.08	SEG1
ATOM	2537	O	LYS	163	10.223	13.858	-10.332	1.00	1.51	SEG1
ATOM	2538	N	CYS	164	12.185	13.278	-11.154	1.00	1.37	SEG1
ATOM	2539	HN	CYS	164	13.065	12.878	-10.996	1.00	1.81	SEG1
ATOM	2540	CA	CYS	164	11.828	13.776	-12.516	1.00	1.52	SEG1
ATOM	2541	HA	CYS	164	11.144	14.606	-12.448	1.00	1.31	SEG1
ATOM	2542	CB	CYS	164	13.149	14.234	-13.135	1.00	2.17	SEG1
ATOM	2543	HB1	CYS	164	13.791	13.377	-13.285	1.00	2.58	SEG1
ATOM	2544	HB2	CYS	164	13.634	14.936	-12.472	1.00	2.61	SEG1
ATOM	2545	SG	CYS	164	12.827	15.032	-14.727	1.00	2.71	SEG1
ATOM	2546	HG	CYS	164	12.479	15.910	-14.555	1.00	3.08	SEG1
ATOM	2547	C	CYS	164	11.217	12.641	-13.340	1.00	2.18	SEG1
ATOM	2548	O	CYS	164	11.906	11.728	-13.755	1.00	2.81	SEG1
ATOM	2549	N	GLY	165	9.930	12.688	-13.573	1.00	2.69	SEG1
ATOM	2550	HN	GLY	165	9.397	13.432	-13.222	1.00	2.77	SEG1
ATOM	2551	CA	GLY	165	9.269	11.608	-14.364	1.00	3.67	SEG1
ATOM	2552	HA1	GLY	165	8.369	11.292	-13.859	1.00	4.30	SEG1
ATOM	2553	HA2	GLY	165	9.944	10.768	-14.450	1.00	4.00	SEG1
ATOM	2554	C	GLY	165	8.915	12.119	-15.765	1.00	3.89	SEG1
ATOM	2555	O	GLY	165	7.759	12.181	-16.140	1.00	3.93	SEG1
ATOM	2556	N	SER	166	9.909	12.471	-16.543	1.00	4.51	SEG1
ATOM	2557	HN	SER	166	10.828	12.400	-16.216	1.00	4.82	SEG1
ATOM	2558	CA	SER	166	9.654	12.967	-17.933	1.00	5.11	SEG1
ATOM	2559	HA	SER	166	8.668	13.401	-18.006	1.00	5.04	SEG1
ATOM	2560	CB	SER	166	10.715	14.044	-18.176	1.00	5.85	SEG1
ATOM	2561	HB1	SER	166	11.184	13.880	-19.140	1.00	6.15	SEG1
ATOM	2562	HB2	SER	166	11.465	13.997	-17.405	1.00	6.27	SEG1
ATOM	2563	OG	SER	166	10.095	15.323	-18.149	1.00	6.09	SEG1
ATOM	2564	HG	SER	166	10.696	15.935	-17.717	1.00	6.52	SEG1
ATOM	2565	C	SER	166	9.818	11.829	-18.953	1.00	5.69	SEG1
ATOM	2566	O	SER	166	9.832	12.064	-20.146	1.00	6.05	SEG1
ATOM	2567	N	GLY	167	9.947	10.605	-18.497	1.00	6.17	SEG1
ATOM	2568	HN	GLY	167	9.933	10.434	-17.533	1.00	6.15	SEG1
ATOM	2569	CA	GLY	167	10.115	9.466	-19.445	1.00	7.07	SEG1
ATOM	2570	HA1	GLY	167	9.356	9.521	-20.209	1.00	7.56	SEG1
ATOM	2571	HA2	GLY	167	10.016	8.534	-18.907	1.00	7.20	SEG1
ATOM	2572	C	GLY	167	11.500	9.536	-20.104	1.00	7.52	SEG1
ATOM	2573	O	GLY	167	11.679	9.107	-21.227	1.00	7.72	SEG1
ATOM	2574	N	ALA	168	12.485	10.078	-19.418	1.00	7.99	SEG1
ATOM	2575	HN	ALA	168	12.317	10.421	-18.514	1.00	8.05	SEG1
ATOM	2576	CA	ALA	168	13.867	10.183	-20.008	1.00	8.73	SEG1
ATOM	2577	HA	ALA	168	14.530	10.691	-19.325	1.00	8.71	SEG1
ATOM	2578	CB	ALA	168	14.342	8.737	-20.217	1.00	9.39	SEG1
ATOM	2579	HB1	ALA	168	13.732	8.068	-19.631	1.00	9.67	SEG1
ATOM	2580	HB2	ALA	168	15.373	8.647	-19.905	1.00	9.70	SEG1
ATOM	2581	HB3	ALA	168	14.258	8.477	-21.263	1.00	9.50	SEG1
ATOM	2582	C	ALA	168	13.814	10.921	-21.351	1.00	9.19	SEG1
ATOM	2583	O	ALA	168	12.802	11.496	-21.707	1.00	9.45	SEG1
ATOM	2584	N	ARG	169	14.889	10.898	-22.102	1.00	9.54	SEG1
ATOM	2585	HN	ARG	169	15.691	10.421	-21.799	1.00	9.50	SEG1
ATOM	2586	CA	ARG	169	14.885	11.589	-23.430	1.00	10.22	SEG1
ATOM	2587	HA	ARG	169	13.875	11.831	-23.723	1.00	10.32	SEG1
ATOM	2588	CB	ARG	169	15.717	12.879	-23.280	1.00	10.36	SEG1
ATOM	2589	HB1	ARG	169	15.480	13.541	-24.101	1.00	10.76	SEG1
ATOM	2590	HB2	ARG	169	16.766	12.635	-23.319	1.00	10.21	SEG1
ATOM	2591	CG	ARG	169	15.412	13.597	-21.959	1.00	10.51	SEG1
ATOM	2592	HG1	ARG	169	15.902	13.079	-21.148	1.00	10.29	SEG1
ATOM	2593	HG2	ARG	169	14.345	13.605	-21.789	1.00	10.79	SEG1
ATOM	2594	CD	ARG	169	15.931	15.037	-22.030	1.00	10.93	SEG1
ATOM	2595	HD1	ARG	169	15.512	15.627	-21.231	1.00	11.12	SEG1
ATOM	2596	HD2	ARG	169	15.682	15.474	-22.988	1.00	11.10	SEG1
ATOM	2597	NE	ARG	169	17.421	14.950	-21.875	1.00	11.16	SEG1
ATOM	2598	HE	ARG	169	17.987	14.946	-22.675	1.00	11.22	SEG1
ATOM	2599	CZ	ARG	169	17.988	14.956	-20.684	1.00	11.49	SEG1
ATOM	2600	NH1	ARG	169	19.290	15.019	-20.594	1.00	11.90	SEG1
ATOM	2601	HH11	ARG	169	19.848	15.062	-21.421	1.00	11.96	SEG1
ATOM	2602	HH12	ARG	169	19.728	15.028	-19.694	1.00	12.28	SEG1
ATOM	2603	NH2	ARG	169	17.276	14.870	-19.586	1.00	11.63	SEG1
ATOM	2604	HH21	ARG	169	16.282	14.794	-19.631	1.00	11.47	SEG1
ATOM	2605	HH22	ARG	169	17.732	14.883	-18.697	1.00	12.03	SEG1

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ATOM   2606  C   ARG   169      15.534  10.680 -24.477  1.00 10.92      SEG1
ATOM   2607  OT1 ARG   169      15.667   9.498 -24.206  1.00 11.30      SEG1
ATOM   2608  OT2 ARG   169      15.898  11.183 -25.528  1.00 11.23      SEG1
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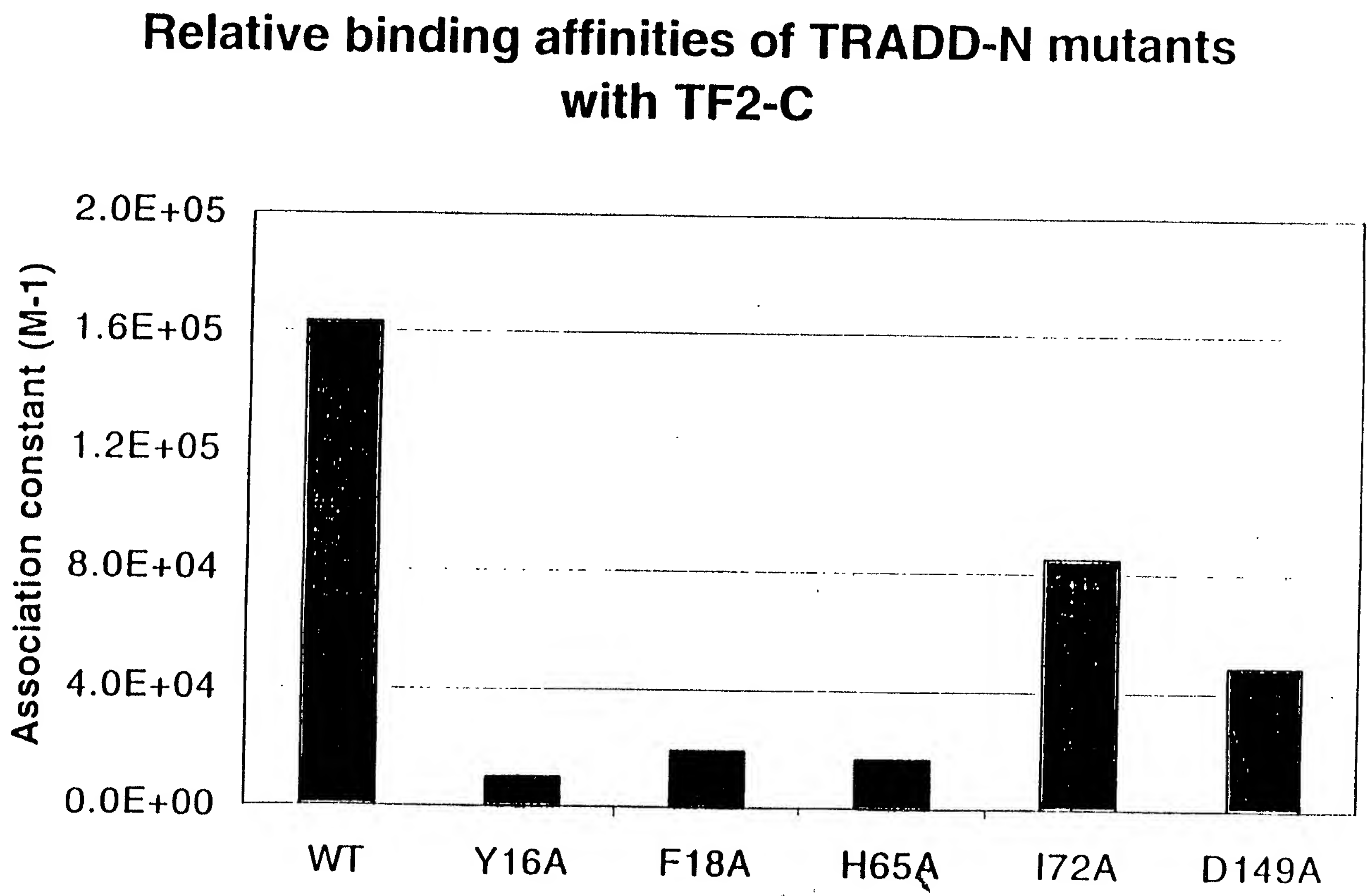

FIG. 3